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CATCH AND ESCAPEMENT STATISTICS FOR COPPER RIVER, BERING RIVER, AND PRINCE WILLIAM SOUND SOCKEYE (Oncorhynchus nerka), CHINOOK (O. tshawytscha), COHO (O. kisutch), PINK (O. gorbuscha), and CHUM (O. keta) SALMON, 1984

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November 1985

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Don W. Collinsworth
Commissioner

ADF&G TECHNICAL DATA REPORTS

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Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

CATCH AND ESCAPEMENT STATISTICS FOR COPPER RIVER, BERING RIVER, AND PRINCE WILLIAM SOUND SOCKEYE *(Oncorhynchus nerka)*, CHINOOK *(O. tshawytscha)*, COHO *(O. kisutch)*, PINK *(O. gorbuscha)*, AND CHUM *(O. keta)* SALMON, 1984

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ABSTRACT

Abundance data are summarized for 1984 returns of sockeye salmon *(Oncorhynchus nerka)*, chinook salmon *(O. tshawytscha)*, coho salmon *(O. kisutch)*, pink salmon *(O. gorbuscha)*, and chum salmon *(O. keta)* returns to the Copper and Bering River Districts and the districts of Prince William Sound. Age, sex, and size data are summarized for returns of sockeye, chinook, and coho salmon to the Copper and Bering River area and for returns of sockeye, coho, and chum salmon to the Prince William Sound area. Sockeye salmon were the most numerous species in the catch in the Copper River District gillnet fishery and they were predominantly fish aged 1.3 and 2.3. Catches in the Bering River District were predominantly fish aged 1.3 and 1.2 In the Copper River District catches of fish aged 2.3 were greatest early in the season and in both districts, catches of fish aged 1.3 were predominant throughout the season while catches of fish aged 1.2 were greatest at the end of the season. The age and sex compositions of the catches in the Upper Copper River fisheries and escapement were very similar to the composition of the commercial catch in the Copper River District and exhibited the same temporal trends. Coastal escapements in the Copper Delta and Bering River drainage were predominantly fish aged 1.3 and 1.2 Chinook salmon catches in the Copper and Bering River Districts were mostly fish aged 1.4 and 1.3. Coho salmon catches in the Copper and Bering River Districts were predominatly aged 1.1 and 2.1. In the Copper River District the ratio of the two groups was equal at the beginning of the season but fish aged 1.1 diminished as the season progressed. A similar but less marked trend was evident in the Bering River District. Sockeye salmon in the gillnet fisheries in the Coghill and Unakwik fisheries were predominantly fish aged 1.3. Sockeye salmon in the gillnet fishery in the Eshamy District and in the purse seine fisheries were predominantly fish aged 1.2. Chum salmon catches in Prince William Sound were largest in the Eastern and Northern Districts. Catches in all districts were predominantly 4-year-old fish. The number of 3-year-old fish increased through the season as the number of 4- and 5-year-old fish declined. Pink salmon were the most numerous species in the combined catch in Prince William Sound and catches were largest in the purse seine fishery at the southwest entrances to the Sound.

KEY WORDS: *Oncorhynchus*, sockeye *(O. nerka)*, chinook *(O. tshawytscha)*, coho *(O. kisutch)*, pink *(O. gorbuscha)*, chum salmon *(O. keta)*, Copper River, Bering River, Prince William Sound, catch, escapement, age composition.

INTRODUCTION

The Copper River, Bering River, and Prince William Sound management areas encompass coastal waters and associated inland watersheds on the Gulf of Alaska between Cape Suckling on the east and Cape Fairfield on the west and are divided into 11 fishing districts (Figures 1 and 2). The Copper River District (212) and the Bering River District (200) lie to the east of Hook Point, Hinchinbrook Island and have historically been treated as a discrete area (Copper/Bering). Prince William Sound proper (PWS) lies to the west of Hook Point and includes the Eastern (221), Northern (222), Unakwik (222-50), Coghill (223), Northwestern (224), Eshamy (225), Southwestern (226), Montague (227), and Southeastern (228) fishing districts. Commercial catches constituted the majority of the salmon harvested in all districts, however, there were also large subsistence and personal use fisheries in the Copper River District and there were salmon sport fisheries in both areas.

Adequate management of these resources requires knowledge of certain fundamental parameters of each contributing population or stock. Of particular importance is the determination of brood stock requirements needed to maintain the population at a level capable of producing optimal yield. To carry out this objective, it is necessary to assess: (1) the magnitude of the removal (harvest) and its characteristics (age, sex, and size composition), and (2) the magnitude of the breeding population (spawning escapement) and its characteristics.

The Alaska Department of Fish and Game (ADF&G) maintains resource monitoring programs to collect data from both the fisheries and contributing spawning populations in the Copper/Bering River and Prince William Sound areas. The objective of this report is to present baseline population statistics for the 1984 inshore return of salmon to the Copper/Bering River and Prince William Sound areas. The report builds upon the data base established by Sharr et al. (1984). Abundance and age composition is summarized by species for each sampled fishery and escapement. Detailed information for each fishery are presented in the Appendices.

METHODS

Description of Fisheries

The commercial fisheries in the Copper and Bering Districts are drift gillnet fisheries. Sockeye salmon *(Oncorhynchus nerka)*, chinook salmon *(O. tshawytscha)*, and coho salmon *(O. kisutch)* were the predominant species in the catch in District 212; sockeye and coho salmon were the predominant species in the catch in District 200. Pink salmon *(O. gorbuscha)* and chum salmon *(O. keta)* were incidental in the catches in both districts.

Salmon which escaped the commercial fisheries in Copper/Bering River fisheries were destined for the extensive interior drainage of the Upper Copper River (upriver) and the numerous small coastal streams in the Copper River Delta and Bering River watersheds (Delta/Bering). Sockeye salmon spawn in

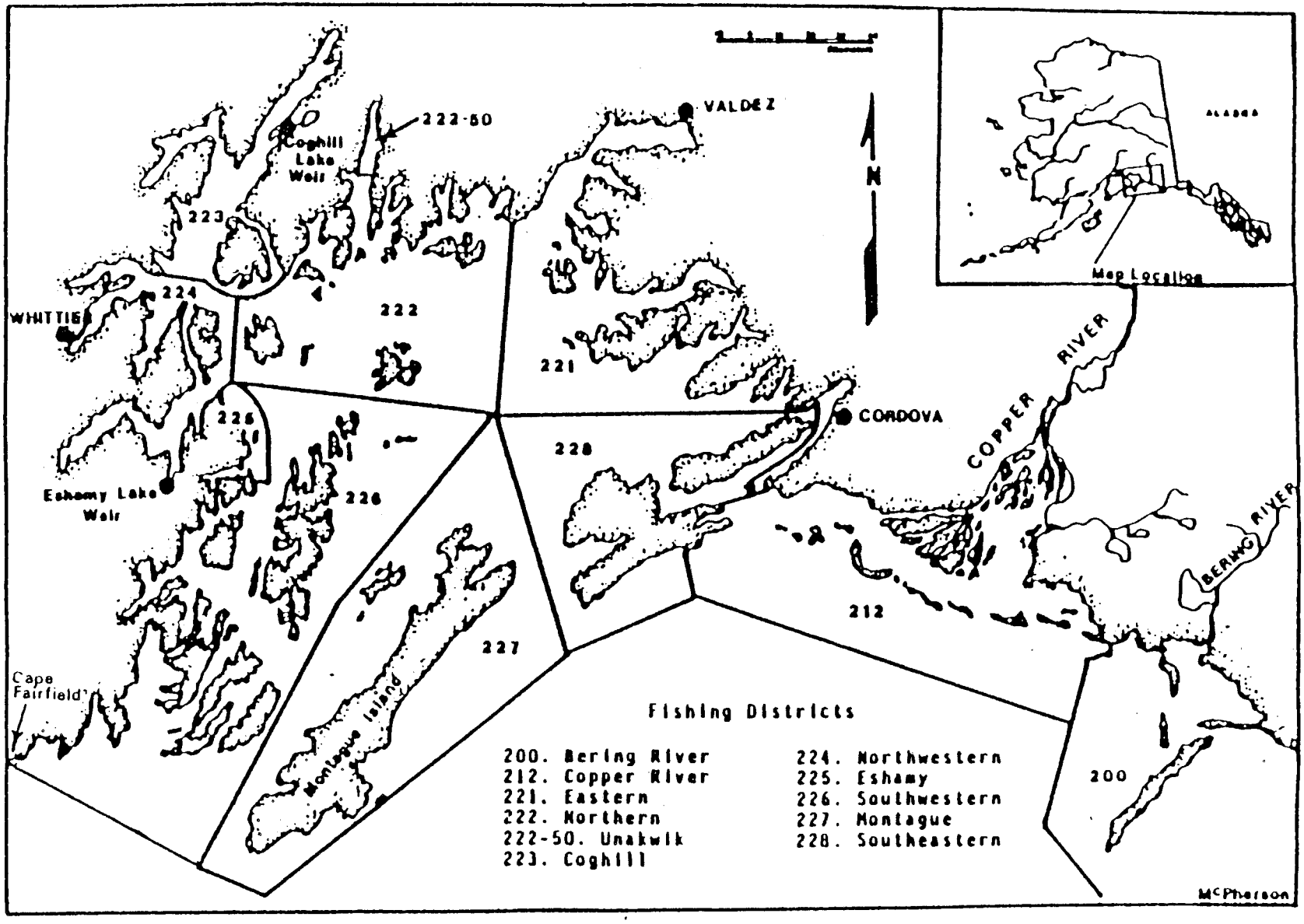

Figure 1. Prince William Sound commercial fishing districts, major spawning areas, and other sites of interest.

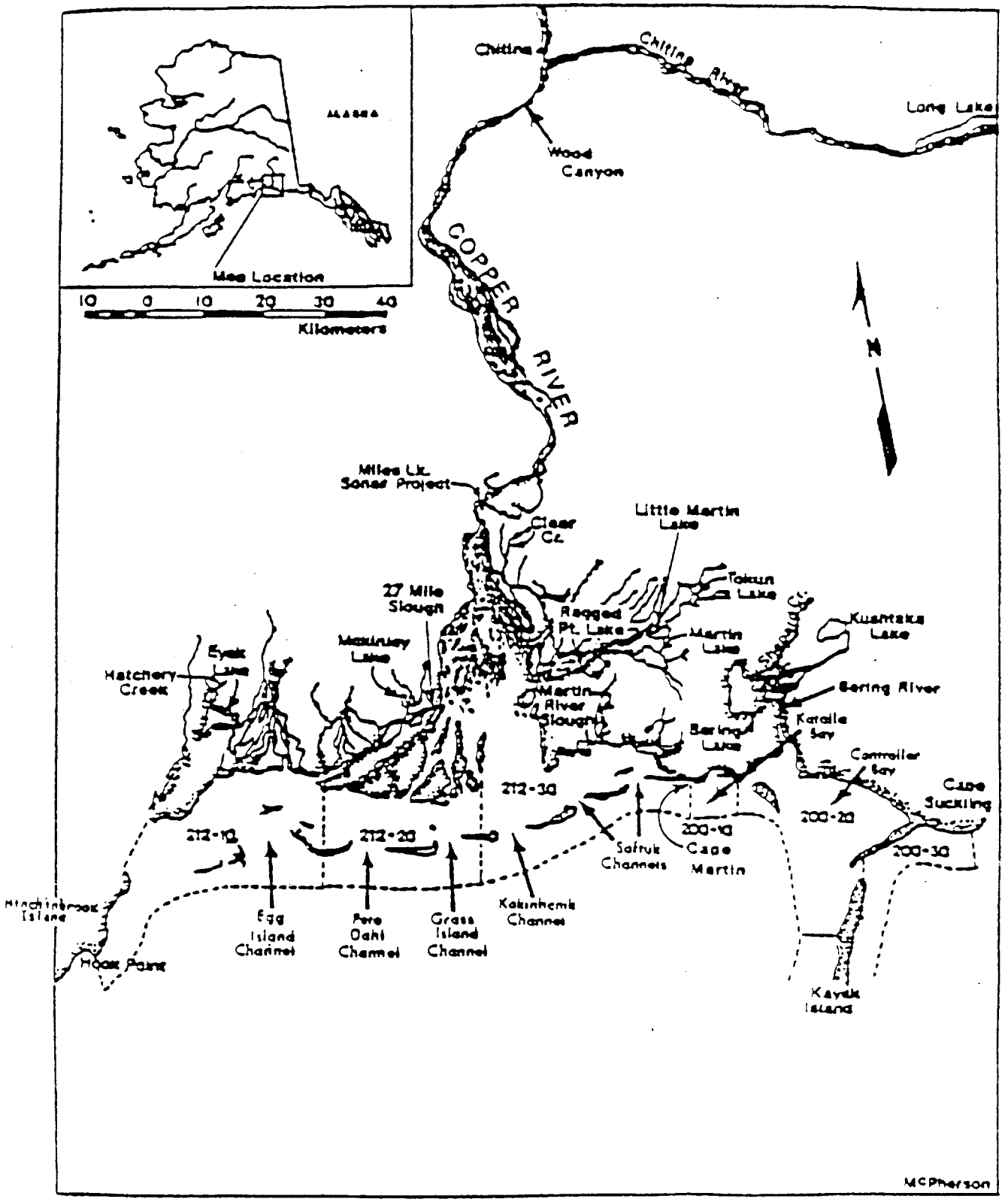

Figure 2. The Copper River and Bering River commercial fishing districts, major spawning areas for stocks which contribute to the Copper River Delta and Bering River escapements, and other sites of interest.

all three areas, coho salmon spawn primarily in the coastal watersheds and, chinook salmon spawn exclusively in the Upriver area. The Upriver escapement of salmon from the commercial fishery was subject to a significant additional harvest in freshwater subsistence and personal use fisheries and both the Upriver and Delta escapements support small sport fisheries.

The subsistence fishwheel fishery on the Upper Copper River extended from Chitina to Slana (Figure 3). The Upriver personal use dipnet fishery was restricted to Chitina. Both fisheries harvest significant numbers of sockeye salmon and lesser numbers of chinook and coho salmon in the Upper Copper River salmon escapement from the commercial fishery. Subsistence fishing was also permitted in the commercial fishing zones but catches were very small.

In Prince William Sound there were purse seine fisheries in all districts except the Eshamy District (225); there were drift gillnet fisheries in the Coghill District (223) and the Unakwik District (222-50) and; there were concurrent drift and set gillnet fisheries in the Eshamy District (225). Pink salmon and chum salmon were the predominant species in the purse seine catch, but there were significant incidental catches of sockeye salmon. The gillnet catch was much smaller than the purse seine catch and though the gillnet fisheries have traditionally been sockeye salmon fisheries, pink and chum salmon were more numerous in the catches. The catches of chinook and coho salmon in Prince William Sound were incidental.

Pink and chum salmon which escaped the commercial fisheries in Prince William Sound were destined for a multitude of small coastal streams on mainland and the numberous islands of Prince William Sound. The majority of the sockeye salmon escapement were destined for Coghill Lake and Eshamy Lake, however, there were several other spawning areas, most notably Cowpen and Miners Lake in the Unakwik District.

Sport catches in the Copper/Bering and PWS areas were small relative to catches in the other fisheries. The sport fishery in Copper/Bering area was mostly for chinook and sockeye salmon in the freshwater drainages of the Upper Copper River and for coho and sockeye salmon in a few Delta streams. Pink salmon and coho salmon were predominant in sport catches in PWS and most were caught in salt water. There was also considerable effort on sockeye salmon in Coghill River and Eshamy Creek.

Catches

Catches by fishing period and by fishing district (or subdistrict) were tabulated from information supplied by fishermen and processors through sales reported on fish tickets. Because the dollar value of each landing is a function of ex-vessel price and weight of the landing, processors often did not count fish in each sale, but estimated the number caught in each landing by dividing landing weight by an estimated mean weight of fish by species. Because there is some variance associated with the estimates of mean weight, there is some variance in subsequent estimates of numbers caught. Because the mean weight and its variance were not reported on fish tickets in 1984, estimated numbers caught were treated as counts without variance for this report.

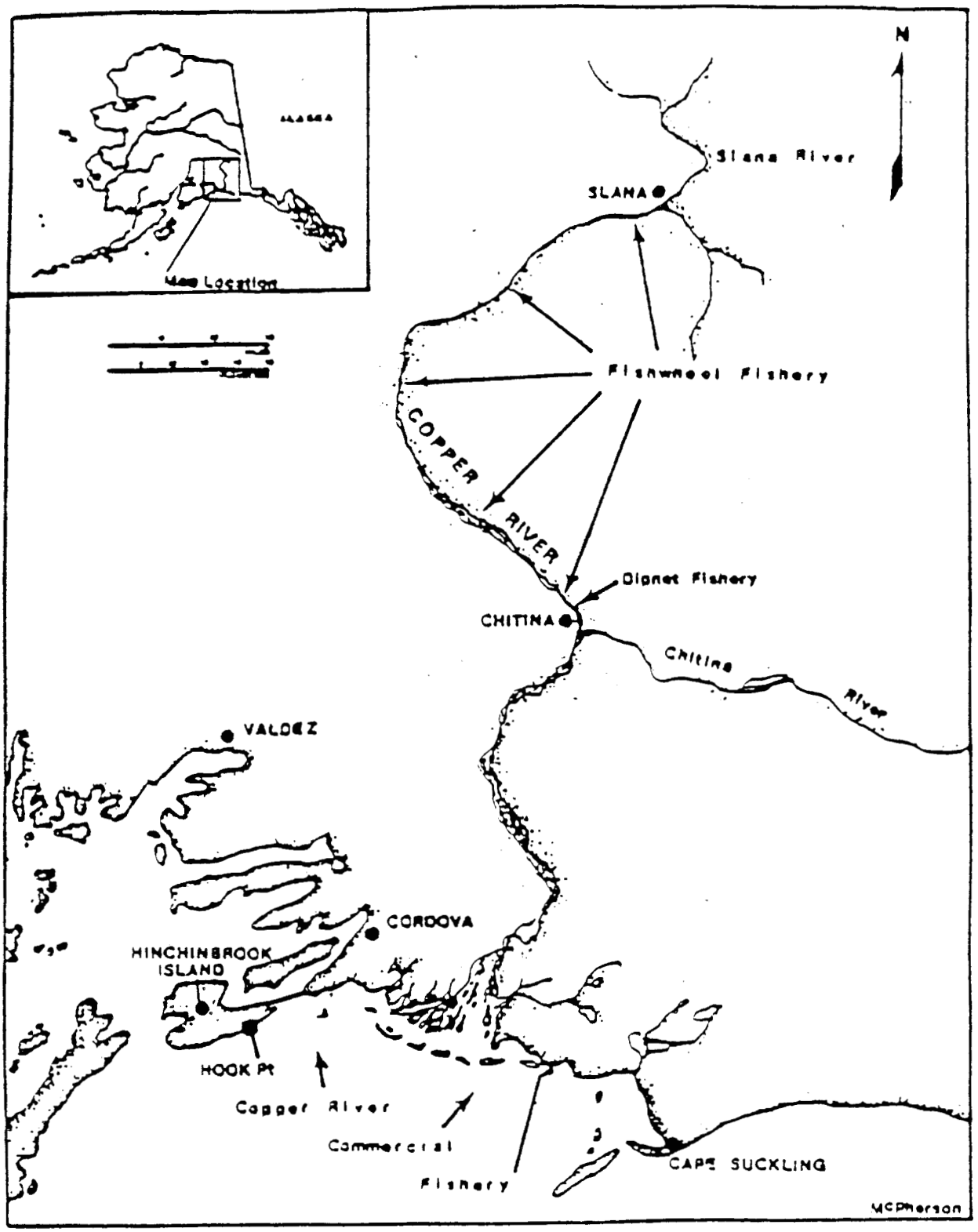

Figure 3. The Copper River drainage showing the location of the subsistence and personal use dipnet and fishwheel fisheries at Chitina, and the subsistence fishwheel fishery which extends from Chitina to Slana along the Upper Copper River.

Catch in the subsistence and personal use fisheries are the sums of catches recorded on returned fishery permits as of December of 1984. These catch figures are preliminary and may differ slightly from final published figures (Ken Roberson, ADF&G, Glennallen, AK, personal communication).

Catches in all sport fisheries were estimated from postal surveys and the estimates were checked and validated with creel census data from selected fisheries (Mills 1985).

Escapements

For the sake of convenience, the salmon stocks of the Copper/Bering River and Prince William Sound areas for which escapement data were available were grouped into runs according to the major spawning areas. In the Copper/Bering areas there are two runs: (1) the Upriver run which applies to sockeye and chinook salmon and consists of all major stocks which spawn in the Upper Copper River watershed upstream of Miles Lake and, (2) the Delta/Bering run which applies to sockeye and coho salmon and consists of all major stocks which spawn in the coastal lakes and streams of the Copper River Delta and Bering River watersheds. In PWS the numerous pink and chum salmon stocks were grouped by district. The sockeye salmon escapements to Eshamy and Coghill Lakes were treated separately.

The Upriver escapement of sockeye salmon from the Copper/Bering commercial fishery was estimated with hydroacoustic gear at Miles Lake (Figure 2, Randall et al. 1985). Escapement to Long Lake is included in this Upriver escapement estimate and was also enumerated through a weir. This is the only important Upriver stock that probably does not contribute to the subsistence and personal use fishery (Ken Roberson, ADF&G, Glennallen, AK, personal communication). The relative contributions of many of the numerous stocks which contribute to the total Upriver Copper River escapement were assessed through periodic aerial surveys.

The estimate of the Delta/Bering component of the Copper/Bering escapement of sockeye and coho salmon is based on peak counts from periodic aerial surveys of selected spawning sites and weir counts from Tokun Lake. Aerial survey counts are only intended to be indices of the relative escapements between stocks and between years and were used to make escapement estimates only because no other data were available.

Description of Sampling Procedures

Fish were sampled to determine their age and sex and to measure their length. One scale was collected from each sampled sockeye, chum, and coho salmon, and three scales were collected from each sampled chinook salmon. Pink salmon were not sampled. Scales were taken from the left side of the body two rows above the lateral line on the diagonal scale row running from the posterior base of the dorsal fin to the anterior base of the anal fin (INPFC 1963). Scales were mounted on gum cards and impressions made in cellulose acetate (Clutter and Whitsel 1956). Whenever marine growth zones on scales had been resorbed marine age was determined using the Peterson method of length frequency analysis (Tesch 1970). Length was measured from the middle of the eye to the fork of the tail. Sex was determined by inspection of the morphology of live fish and of the anatomy of dead ones.

Sampling Catches

This section details catch sampling methods. Catches are grouped into those which occur in the commercial fisheries of the Copper/Bering River and Prince William Sound areas and those which occur in the subsistence fisheries on the Upper Copper River. Sport fish catches were not sampled.

Commercial Fisheries:

Age and sex compositions of the season's catch for each combination of species, gear, and fishing district were estimated with stratified systematic sampling programs according to Cochran (1977). Each sampling stratum was a combination of contiguous fishing periods so grouped that all strata would have similar catches; dates for strata were selected before the season began according to catch trends from past years. The number of strata was selected according to the rapidity of change in age composition as estimated in previous years; catches for which there were no good estimates of age and sex composition in previous years were divided into three or four strata to expose moderate time trends. Whenever possible, one sample was taken in the middle of each stratum with sufficient numbers of fish to simultaneously estimate the true proportion of each major age class in the catch within ± 5 percentage points 90% of the time. Whenever possible, the sample for each stratum was taken within a single day. The fish for each sample were selected systematically in the canneries without regard to tender or subdistrict of capture. Sharr (1983) showed no differences in age composition among the tender loads from subdistricts within District 212 in 1982. McBride et al. (1984) did show, however, that in District 200, catches from Subdistrict 30 to the east of Kayak Island may be composed of different stocks than the catches in the two more terminal subdistricts to the west of Kayak Island (10 and 20). Consequently, subdistrict-specific samples were obtained in this district. Catches from the two terminal subdistricts (10 and 20) were very small in 1984 and were difficult to access hence, they were not sampled. The catch in Subdistrict 30 were sampled extensively.

Age compositions were estimated with procedures outlined in Cochran (1977) for stratified sampling programs:

$$C_{tj} = C_t p_{tj} \qquad V(C_{tj}) = (C_t)2 \frac{p_{tj}(1 - p_{tj})}{N_t - 1}$$

$$C_{.j} = \sum_{t=1}^{T} C_{tj} \qquad V[C_{.j}] = \sum_{t=1}^{T} V[C_{tj}]$$

where C_t is the number of fish caught during stratum t, p_{tj} is the fraction of the sample taken during stratum t that is age j, N_t is the sample size during stratum t, C_{tj} is the estimated number of fish of age j caught during

stratum t, T is the number of strata, and $C_{.j}$ is the estimate of the number of fish of age j caught during the season. The correction factor for finite populations were not included in the above equations because sample sizes were small relative to catches.

Subsistence and Personal Use Fisheries

Age and sex composition of the season's catch of sockeye salmon in the subsistence and personal use fishery on the Copper River was estimated with a stratified systematic sampling program. Because there were no demonstrable differences in age composition between samples from the fishwheel and dipnet fisheries, samples from these two gear types were pooled. Age, sex, and size samples collected from these fisheries were assumed to be representative of both the removal of these fisheries and the escapement past them. Because the age and sex composition data were also treated as escapement data for much of the Upriver run, strata were based on a combination of catch projections by fishing period and migratory timing data for important Upriver stocks (Merritt and Roberson 1983). The described formulas for apportioning commercial catches by age with stratified sampling data were also used to apportion the subsistence catch. Because few chinook and coho salmon were caught; age, size, and sex composition of these catches were not estimated.

Sampling Escapements

This section details the various methods used to sample salmon escapements. Only sockeye salmon escapements were sampled and sampling methods varied among escapements to the Upper Copper River, escapements to the Copper River Delta and Bering River coastal drainages, and escapements in PWS. Where systematic stratified sampling programs were in place the formulas used to apportion commercial catch by age with stratified sampling data were used except that escapement was substituted for catch.

Copper/Bering River Area:

The stratified age, sex, and size composition estimates of the catch from the subsistence fishery on the Copper River were also used as estimates of these statistics for most of the escapement to the Upper Copper River and were applied to sonar counts from Miles Lake. Strata in daily sonar estimates of escapement were constructed to conform to the strata in the subsistence catches but the dates were shifted to account for fish travel time in the River between Miles Lake and Chitina. Mean travel times were approximated from a linear regression of travel rate against date as calculated from tagging data (Merritt and Roberson 1983). Based on tagging data, a significant portion of the last strata were fish destined for Long Lake (Merritt and Roberson 1983) and, because this stock was probably not represented in the samples from the subsistence fishery, the escapement by sex and age for the last strata was calculated as follows: (1) Long Lake weir counts were subtracted from the sonar counts in the last strata and the remainder was allocated by sex and age with age and sex composition data from the Upriver fishery, (2) data from a single sampling trip to the weir were used to apportion Long Lake weir counts by sex and age and, (3) the two escapement estimates by sex and age were summed.

Additional spawning ground samples were taken from Klutina Lake, Tonsina Lake and Tazlina Lake in the Upper Copper River basin. These three spawning areas are suspected of being major contributors to the Upriver run but because they are very occluded, aerial survey estimates of their escapement are not possible. The sample sex and age composition data for these sites are presented but there is no estimate of escapement by sex and age.

The logistics of visiting numerous, isolated watersheds in the coastal areas around the Copper River Delta and around the Bering River watershed precluded direct counting of escapements and stratified sampling programs to estimate age, sex, and size composition. For these sites, aerial survey data and data from simple systematic sampling programs were used to estimate escapement by sex and age as follows:

$$E_{.j} = A_m \, q_{.j} \qquad V[E_{.j}] = (A_m)^2 \frac{q_{.j}(1-q_{.j})}{N_{.} - 1}$$

where $E_{.j}$ is the season's escapement of fish of age j, A_m is the peak number counted on the spawning grounds during aerial surveys, $q_{.j}$ is the estimate of the portion of the escapement of age j pooled over one or two sampling trips to the spawning grounds, and $N_{.}$ is the number of fish sampled in all sampling trips to the spawning grounds. Because counts of escapements to these areas are not available, the peak counts of fish on the spawning grounds from aerial surveys were used to expand age proportions into crude estimates of numbers by age. The Tokun Lake escapement by age, sex, and size was estimated with data from weir counts and data from a stratified sampling program at the weir.

Age, sex, and size compositions of escapements of chinook and coho salmon to the Upper Copper River and the coastal drainages were not estimated.

Prince William Sound:

Stratified systematic sampling programs and counts through weirs were used to estimate the age, sex, and size compositions of escapements of sockeye salmon to Coghill and Eshamy River. Age, sex, and size compositions for escapements of chum salmon were not estimated.

RESULTS

Copper/Bering Rivers

This section details salmon catch and escapement data for the Copper River District (212) and the Bering River District (200). The commercial, subsistence, personal use, and sport fisheries in these districts share geographic proximity, occur simultaneously, and are all directed at stocks of sockeye, chinook, and coho salmon returning to the Copper/Bering River area. More detailed data on the commercial catches, subsistence catches, Upriver escapements, and coastal escapements in the Copper/Bering River area are in the Appendices (A, B, C, and D, respectively). Available length and weight data

for salmon which returned to the Copper/Bering area are in Appendices F and G.

Sockeye Salmon:

Of the 899,776 sockeye salmon in the commercial catch in the Copper River District 81.6% were aged 1.3[1], 10.4% were aged 2.3, 6.0% were aged 1.2 and, 2% were other ages (Tables 1 and 2). Catches peaked abruptly in the week following the 14 to 15 May fishing period and declined gradually through July (Table 3; Figure 4). There was little seasonal change in the fraction of the catch aged 1.3. Fish aged 2.3 were 20.3% of the catch in the first week but declined steadily thereafter except for a minor resurgence in July. Conversely, the contribution of fish aged 1.2 was only 0.6% in the first week but rose steadily to 12.3% by July (Figure 4).

The District 200 (Bering River) fishery began later than in District 212 (14 June versus 15 May) was of shorter duration and the catch was much smaller (Table 3; Figure 4). Of the 91,124 sockeye salmon caught in the district, 74,124 were caught in Subdistrict 30 east of Kayak Island. The catch in the Kayak Island fishery was largest in the week ending 23 June and declined steadily thereafter till the 9 July closure of the subdistrict. The total Subdistrict 30 catch was 80.4% fish aged 1.3; 9.5% fish aged 1.2 and, the remainder was distributed among several age groups. The aged 1.3 contribution was largest in the first half of the season and diminished gradually in the latter half as the contribution of fish aged 1.2 increased (Figure 4). Unlike Subdistrict 30, the area to the west of Kayak Island (subdistricts 10 and 20) remained open through September. Nevertheless, there were no catches of sockeye salmon in this inside area after 4 July. There was no age composition data for the catch of sockeye salmon in this area in 1984.

Of the 64,144 sockeye salmon caught in the subsistence and personal use fisheries on the Copper River (Table 4), most were taken with dipnets and most were age 1.3 (Figure 5). These fisheries began on 1 June and changes in the catch and age composition were very similar to those in the commercial catch in District 212 at the mouth of the river.

Almost half of the 3,267 sport-caught sockeye salmon in the Upper Copper River were caught in the Gulkana River (Table 5). The sport catch of sockeye salmon in coastal areas of the Copper River District were much smaller and restricted to a few easily accessible coastal escapements. No age or sex data are available for the sockeye salmon sport catch.

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[1] European Notation - Number of freshwater annuli - decimal - Number of saltwater annuli. Total age is the sum of the two numbers +1.

Table 1. Commercial catches by fishery, district, and species in the Copper/Bering River (C/BR) and Prince William Sound (PWS) areas, 1984[1].

C/BR Drift Gillnet Fisheries	Species				
District	Chinook	Sockeye	Coho	Pink	Chum
Bering River (200)					
Inside (Subdistrict 10 and 20)	54	17,660	211,833	65	479
Kayak Island (Subdistrict 30)	276	74,124	2,799	244	19,929
Copper River (212)	38,955	899,776	382,432	32,194	6,935
C/BR Drift Gillnet Total	39,285	991,560	597,064	32,503	27,343

PWS Drift Gillnet Fisheries	Species				
District	Chinook	Sockeye	Coho	Pink	Chum
Northern (Unakwik, 222-50)	1	18,513	0	26,864	6,954
Coghill (223)	396	94,956	567	897,496	264,878
Eshamy (225)	7	23,490	282	247,326	15,451
PWS Drift Gillnet Total	404	136,959	849	1,171,686	287,283

PWS Set Gillnet Fisheries	Species				
District	Chinook	Sockeye	Coho	Pink	Chum
Eshamy (225)	4	23,226	98	278,176	3,000
PWS Set Gillnet Total	4	23,226	98	278,176	3,000

-Continued-

Table 1. Commercial catches by fishery, district, and species in the Copper/Bering River (C/BR) and Prince William Sound (PWS) areas, 1984[1] (continued).

PWS Purse Seine Fisheries	Species				
District	Chinook	Sockeye	Coho	Pink	Chum
Eastern (221)	26	4,723	3,533	4,516,085	392,998
Northern (222)	1	5,218	1,066	2,212,155	226,107
Coghill (223)	0	21	0	10,911	1,126
Northwestern (224)	19	18,301	1,345	1,479,654	80,579
Southwestern (226)	31	121,595	4,970	10,696,516	146,561
Montague (227)	0	69	22	11,587	81
Southeastern (228)	3	1,834	541	1,306,315	59,050
PWS Purse Seine Total	80	151,761	11,477	20,233,223	906,502
Private Non-Profit Hatchery Harvests	0	0	0	402,825	4,886
Combined PWS Fisheries Total	488	311,946	12,424	22,085,910	1,201,671
Combined C/BR and PWS Fisheries Total	39,773	1,303,506	609,488	22,118,413	1,229,014

[1] Preliminary data.

Table 2. Estimated age composition of the sockeye salmon in the commercial catches from the drift gillnet fisheries in the Copper/Bering River area, 1984[1].

			Percent of Catch by Brood Year and Age Group[2]											
			1982	1981	1980		1979			1978			1977	
Fishery	Sample Size	Total Catch	0.1	0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3
Copper River	5,880	886,776	0.0	0.1	0.7	6.0	.0	81.6	0.9	0.2	10.4	0.1	.0	0.1
Bering River-Kayak Island	2,363	74,124	0.1	0.1	3.4	9.5	0.0	80.4	2.1	0.1	4.2	.0	0.0	0.0

[1] Based on age composition data from systematic, stratified catch sampling programs and catch data from fish ticket summaries. The catch data for the Copper River fishery is final; the catch data for the Bering River fishery is preliminary. The small catches in Controller Bay and Katella Bay were not sampled.

[2] European Notation - Number of freshwater annuli - decimal - number of saltwater annuli. Total age is the sum of the two numbers +1.

Table 3. Commercial catches of sockeye salmon and effort by fishery and fishing period in the Copper/Bering River area, 1984[1].

				Fishery					
	Fishing			Copper River		Bering River Inside		Bering River Kayak Island	
Week	Period	Dates	Hours	Effort	Catch	Effort	Catch	Effort	Catch
20	1	05/14-05/15	36	430	33,591	Closed		Closed	
21	2	05/21-05/22	36	409	175,360	Closed		Closed	
22	3	05/27-05/28	36	463	136,757	Closed		Closed	
23	4	06/05-06/06	24	464	62,241	Closed		Closed	
23-24	5	06/09-06/11	48	451	95,261	Closed		Closed	
24	6	06/14-06/16	48	399	92,642	52	8,942	38	11,528
25	7	06/18-06/20	48	230	47,576	21	1,084	71	17,087
	8	06/21-06/23	48	240	49,029	NA	4,855	NA	19,379
26	9	06/25-06/27	48	154	33,315	10	1,983	80	6,360
	10	06/28-06/30	36	172	23,661	2	0	45	9,019
27	11	07/02-07/04	48	152	35,691	0	795	28	8,254
	12	07/05-07/07	36	149	21,765	NA	0	18	2,497
28	13	07/09-07/11	48	127	25,049	NA	0	Closed	
	14	07/12-07/14	36	121	19,082	NA	0	Closed	
29	15	07/16-07/18	48	87	16,879	NA	0	Closed	
	16	07/19-07/21	36	93	8,842	NA	0	Closed	
30	17	07/23-07/25	48	51	8,238	NA	0	Closed	
	18	07/26-07/28	36	52	4,233	NA	0	Closed	
31	19	07/30-08/01	48	61	3,692	NA	0	Closed	
	20	08/02-08/04	36	70	2,331	NA	0	Closed	
32	21	08/06-08/09	84	140	4,034	NA	0	Closed	
33	22	08/13-08/16	84	238	373	NA	0	Closed	
34	23	08/20-08/23	84	289	51	NA	1	Closed	
35	24	08/27-08/30	84	311	4	NA	0	Closed	
36	25	09/03-09/06	84	285	78	NA	0	Closed	
37	26	09/10-09/13	84	286	0	NA	0	Closed	
38	27	09/17-09/20	84	182	1	NA	0	Closed	
39	28	09/24-09/27	84	99	0	NA	0	Closed	
Total					899,776		17,660		74,124

[1] Based on final fish ticket summaries.

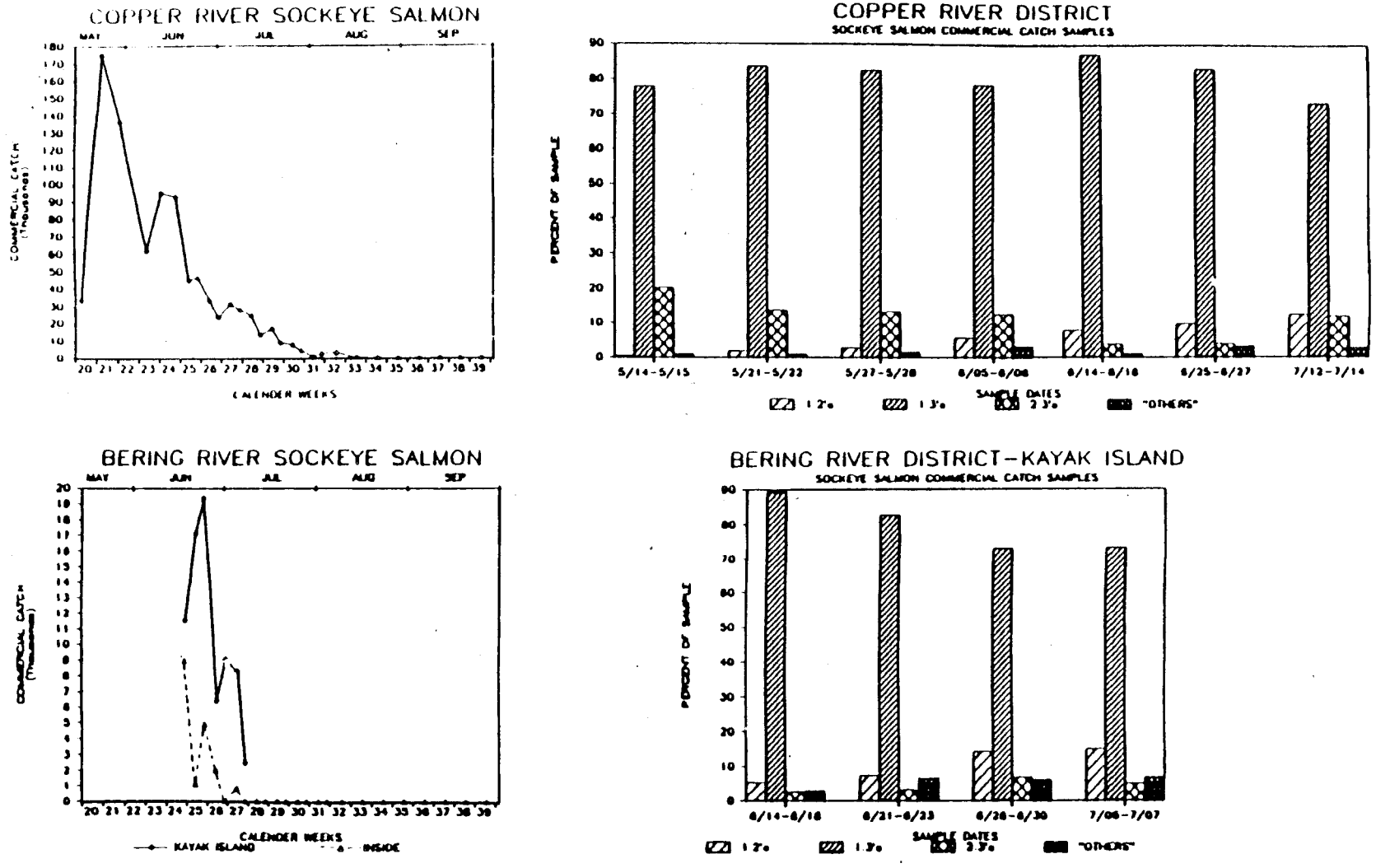

Figure 4. Sockeye salmon commercial catch by period in the Copper River and Bering River Districts drift gillnet fisheries and the age composition of sockeye salmon in the stratified catch samples from those districts, 1984.

Table 4. Subsistence and personal use catches by fishery and species in the Copper/Bering River (C/BR) and Prince William Sound (PWS) areas, 1984[1].

C/BR Subsistence Fisheries	Species				
Fishery	Chinook	Sockeye	Coho	Pink	Chum
Upper Copper River - Dipnet	51	1,119	117	0	0
Upper Copper River - Fishwheel	349	19,070	120	0	0
C/BR Drift Gillnet					
C/BR Subsistence Fisheries Total	400	20,189	237	0	0

C/BR Personal Use Fisheries	Species				
Fishery	Chinook	Sockeye	Coho	Pink	Chum
Upper Copper River - Dipnet	1,589	43,734	541	0	0
Upper Copper River - Fishwheel	15	221	2	0	0
C/BR Personal Use Fisheries Total	1,604	43,955	543	0	0
C/BR Combined Fisheries Total	2,004	64,144	780	0	0

PWS Subsistence Fisheries					
Fishery	Chinook	Sockeye	Coho	Pink	Chum
Purse Seine					
Drift Gillnet					
Set Gillnet					
PWS Subsistence Fisheries Total	0	0	0	0	0
C/BR and PWS Combined Fisheries Total	2,004	64,144	780	0	0

[1] Preliminary data based on incomplete permit returns.

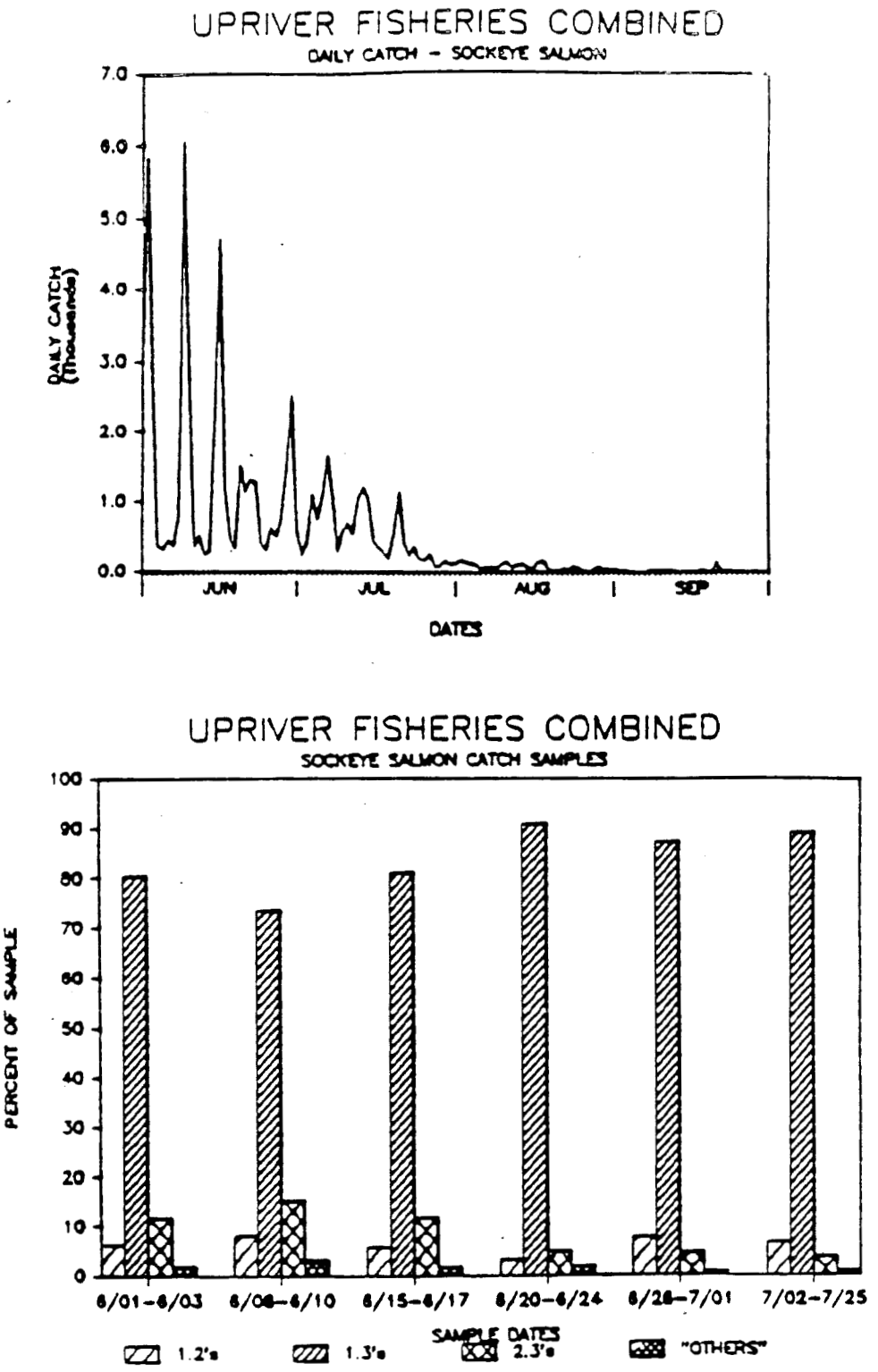

Figure 5. Daily catch of sockeye salmon in the combined subsistence and personal use fisheries on the Upper Copper River and the age composition of sockeye salmon in the stratified samples from those catches, 1984.

Table 5. Sport fish harvests and effort by fisheries and species in the Upper Copper River Basin, Copper River Delta/Bering River (CD/BR), and Prince William Sound (PWS) areas, 1984.

Upper Copper River	Species				
Fishery	Chinook	Sockeye	Coho	Pink	Chum
Gulkana River Float Fishing (Paxson to Sourdough)	291	428	0	0	0
Gulkana River Float Fishing (Sourdough to Highway)	410	103	0	0	0
Gulkana River Float Fishing (Other)	975	958	0	0	0
Klutina River	616	188	0	0	0
Other Streams	222	957	496	0	0
Paxson Lake	222	205	0	0	0
Summit Lake (near Paxson Lake)	0	0	0	0	0
Other Lakes	51	428	0	0	0
Upper Copper River Total	2,787	3,267	496	0	0

CD/BR and PWS - Freshwater	Species				
Fishery	Chinook	Sockeye	Coho	Pink	Chum
Eyak Lake	0	75	1,284	12	0
Eshamy Creek and Lagoon	0	736	37	449	0
Coghill River	0	249	12	112	12
Robe River	0	25	0	0	0
Other Streams	37	261	1,683	860	25
Lakes	0	773	125	175	12
CD/BR and PWS - Freshwater Total	37	2,119	3,141	1,608	49

-Continued-

Table 5. Sport fish harvests and effort by fisheries and species in the Upper Copper River Basin, Copper River Delta/Bering River (CD/BR), and Prince William Sound (PWS) area, 1984 (continued).

CD/BR and PWS - Saltwater	Species				
Fishery	Chinook	Sockeye	Coho	Pink	Chum
Valdez Bay	125	786	5,138	9,639	1,397
Passage Canal (Whittier)	212	62	549	935	0
Other - Boat	0	1,023	861	1,172	137
Other - Shoreline	37	87	674	1,134	324
CD/BR and PWS - Saltwater Total	374	1,958	7,222	12,880	1,858
CD/BR and PWS - Combined Total	411	4,077	10,363	14,488	1,907
Upper Copper River, CD/BR and PWS Total	3,198	7,344	10,859	14,488	1,907

The estimated escapement of salmon past Miles Lake was 536,806 fish (Table 6) most of which were sockeye salmon. The sex and age composition of this escapement (Table 7; Figure 6) was virtually identical to that of the Upriver subsistence and personal use catch despite the inclusion of age and sex composition data from Long Lake in the last stratum. The Long Lake escapement had a larger portion of fish aged 1.2 than the stocks represented in the Upriver fisheries samples in the last stratum (34.5% versus 6.6%) but only about 2% (10,637 fish) of the 536,806 fish which escaped past Miles Lake were destined for Long Lake. Some Upriver stocks which were represented in the samples from the Upriver fisheries were also sampled separately on their respective spawning grounds and there were age composition differences between them as well. Klutina and Tonsina Lake fish were more than 90% aged 1.3 but Tazlina Lake fish were 47% aged 1.3, 29.8% aged 1.2, 12.1% aged 2.3 and, 11.1% aged 2.2 (Appendix C).

Aerial survey data for the Copper River Delta and Bering River spawning areas provided an estimate of their relative importance but the combined escapement estimates of 178,791 fish to the Delta and 48,500 fish to the Bering River drainage (Table 6; Appendix D) represents some unknown fraction of the actual escapement to those areas. Fish aged 1.3 and 1.2 constituted the majority of the escapement to these coastal areas but fish aged 1.3 were less predominant than in the Upriver run. The fractions of fish other than those aged 2.3 were larger in the Copper River Delta and Bering River spawning areas than in the Upper Copper River run (Figure 6).

Chinook Salmon:

Most of the 38,955 chinook salmon caught in District 212 were harvested in the first 5 weeks (14 May to 17 June) of the season (Table 8; Figure 7). In the total catch, 56.2% were aged 1.4, 33.5% were aged 1.3, and the remaining 10.3% were fish in other age groups, most notably fish aged 2.3 and 2.4 (Table 9). Fish aged 1.4 were predominant throughout the season (Figure 7). The fraction of the catch aged 1.3 rose from 23.6% in the first period to 38.8% by the end of May but declined thereafter. The contribution of other age groups was greatest in the first fishing period then declined gradually through the season.

Approximately 2,000 chinook salmon were caught in the subsistence fishery at Chitina and of those approximately 1,600 were caught in dipnets (Table 4). No information on the age composition of this catch is available.

Approximately 2,800 chinook salmon were caught in the sport fisheries on the Upper Copper River drainage, mostly in the Gulkana River drainage (Table 5). No information on the age composition of this catch is available.

Although there were some aerial surveys on the escapements of chinook salmon from District 212 (Appendix C), there is no information on their age composition.

Coho Salmon:

Unlike the pattern in the chinook and sockeye salmon fisheries in District 212, most coho salmon were caught late in the season (Table 10; Figure 8).

Table 6. Salmon escapement by species and district in the Copper/Bering River and Prince William Sound areas, 1984[1].

Copper/Bering River Area	Species				
District	Chinook	Sockeye	Coho	Pink	Chum
Copper River (212)					
Upper Copper River[2]	[3]	536,806[3]	[3]	[3]	[3]
Copper River Delta[4]		178,053	38,820	[5]	[5]
Bering River (200)[4]		48,500	12,600	12,000	2,000
Copper/Bering River Area Total		763,359	51,420	12,000	2,000

Prince William Sound Area	Species				
District	Chinook[5]	Sockeye[6]	Coho[5]	Pink[7]	Chum[7]
Eastern (221)				1,209,050	131,130
Northern (222)				591,700	60,400
Coghill (223)	28	63,622		468,040	17,400
Northwestern (224)				491,120	7,060
Eshamy (225)		36,121	881	17,080	0
Southwestern (226)				380,710	10
Montague (227)				193,020	0
Southeastern (228)				801,540	9,160
Prince William Sound Area Total		99,743	881	4,152,260	225,160

[1] Preliminary.

[2] Estimated from hydroacoustical and test fishing data from the Miles Lake sonar project (Appendix Table C1).

[3] The Miles Lake sonar project escapement estimate is for all species the majority of which are sockeye salmon. Because the estimate of the portion of the escapement of other salmon species is not precisely known, the counts for chinook, coho, pink, and chum salmon are included in the estimate for sockeye salmon. Baded on aerial survey data the escapement of pink and chum salmon to the Upper Copper River is incidental, and the escapement of coho salmon is very small. The 1984 aerial surveys of salmon index streams indicate that chinook salmon escapement was strong.

[4] Based on periodic aerial surveys of salmon streams (Appendix Table D2). In the Copper River District there was one weir in place at Tokun Lake and those counts were used in this estimate.

[5] Numerically insignificant and no estimates are available.

[6] The two available estimates are from weirs at Coghill and Eshamy Lakes. Other less important sockeye salmon escapements are infrequently assessed by aerial surveys (see Appendix F).

[7] Based on adjusted aerial estimates of regularly surveyed streams (Appendix Tables F4 and F5).

Table 7. Estimated age composition of Copper and Bering River area sockeye salmon escapements, 1984.

System	Location	Sample Size	Total Escapement	Percent of Escapement by Brood Year and Age Group								
				1981		1980			1979		1978	
				0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Upper Copper River	Miles Lake Sonar [1]	2,979	536,806	0.0	0.1	0.1	6.7	.0	84.8	1.2	0.1	7.1
Delta	Eyak Lake	1,203	16,200	0.0	0.1	.0	37.5	0.0	59.9	0.6	.0	1.1
	McKinley Lake	763	20,400	0.0	1.5	0.0	46.5	0.0	50.9	1.0	0.0	0.1
	27-Mile Slough	558	7,500	0.0	0.0	0.0	26.1	0.0	69.9	0.0	0.4	3.6
	Ragged Point Lake	603	8,600	0.0	4.8	0.0	17.4	0.0	70.5	1.4	0.0	5.9
	Martin Lake	777	35,350	0.0	2.6	0.0	49.5	0.1	47.0	0.0	0.0	0.8
	Little Martin Lake	887	10,500	0.0	2.8	0.0	70.1	0.0	26.2	0.6	0.0	0.3
	Tokun Lake	965	27,441	0.0	0.0	0.0	7.7	0.0	91.7	0.1	0.2	0.4
	Martin River Slough	816	14,500	17.7	0.4	21.6	9.2	0.0	50.3	0.0	0.1	0.7
	39-Mile Creek	701	17,000	1.3	0.1	9.3	29.1	0.0	58.2	0.3	0.0	1.7
Bering River	Bering Lake	738	29,000	1.7	0.1	22.9	6.4	0.0	68.7	0.1	0.0	0.1
	Shepherd Creek	663	14,500	0.0	0.0	12.8	2.0	0.0	84.1	0.2	0.0	0.9
	Kushtaka Lake	683	1,500	0.0	9.4	0.0	17.6	0.4	55.8	7.6	0.0	9.2

[1] The samples from the subsistence and personal use fisheries together with samples from Long Lake are used to apportion the Upriver escapement which is estimated at Miles Lake.

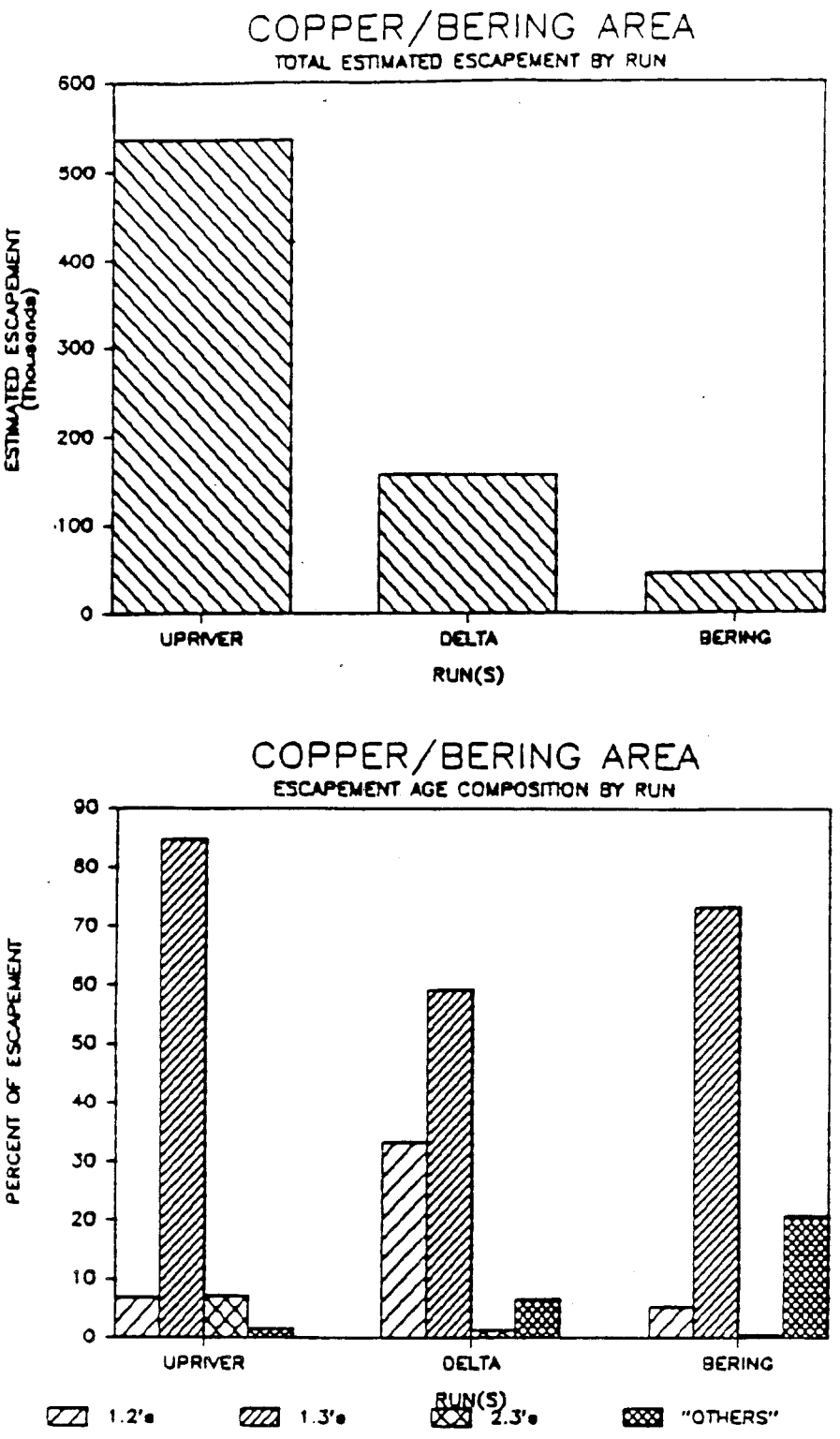

Figure 6. Sockeye salmon escapement to the Upper Copper River, Copper River Delta, and Bering River from the commercial drift gillnet fisheries in the Copper and Bering River Districts and the estimated age composition of those escapements, 1984. The Upriver escapement is from hydroacoustic enumeration at the Miles Lake Sonar Project and the coastal escapements are based on data from periodic aerial surveys.

Table 8. Commercial catches of chinook salmon by fishery and fishing period in the Copper/Bering River area, 1984[1].

				Fishery					
	Fishing			Copper River		Bering River Inside		Bering River Kayak Island	
Week	Period	Dates	Hours	Effort	Catch	Effort	Catch	Effort	Catch
20	1	05/14-05/15	36	430	8,896	Closed		Closed	
21	2	05/21-05/22	36	409	11,264	Closed		Closed	
22	3	05/27-05/28	36	463	7,352	Closed		Closed	
23	4	06/05-06/06	24	464	4,505	Closed		Closed	
23-24	5	06/09-06/11	48	451	3,491	Closed		Closed	
24	6	06/14-06/16	48	399	1,888	52	34	38	20
25	7	06/18-06/20	48	230	752	21	0	71	52
	8	06/21-06/23	48	240	338	--	19	--	153
26	9	06/25-06/27	48	154	176	10	0	80	15
	10	06/28-06/30	36	172	92	2	0	45	26
27	11	07/02-07/04	48	152	81	0	0	28	8
	12	07/05-07/07	36	149	28	NA	0	18	2
28	13	07/09-07/11	48	127	20	NA	0	Closed	
	14	07/12-07/14	36	121	16	NA	0	Closed	
29	15	07/16-07/18	48	87	9	NA	0	Closed	
	16	07/19-07/21	36	93	6	NA	0	Closed	
30	17	07/23-07/25	48	51	5	NA	0	Closed	
	18	07/26-07/28	36	52	6	NA	0	Closed	
31	19	07/30-08/01	48	61	5	NA	0	Closed	
	20	08/02-08/04	36	70	1	NA	0	Closed	
32	21	08/06-08/09	84	140	13	NA	0	Closed	
33	22	08/13-08/16	84	238	9	NA	0	Closed	
34	23	08/20-08/23	84	289	1	NA	1	Closed	
35	24	08/27-08/30	84	311	1	NA	0	Closed	
36	25	09/03-09/06	84	285	0	NA	0	Closed	
37	26	09/10-09/13	84	286	0	NA	0	Closed	
38	27	09/17-09/20	84	182	0	NA	0	Closed	
39	28	09/24-09/27	84	99	0	NA	0	Closed	
Total					38,955		54		276

[1] Preliminary data.

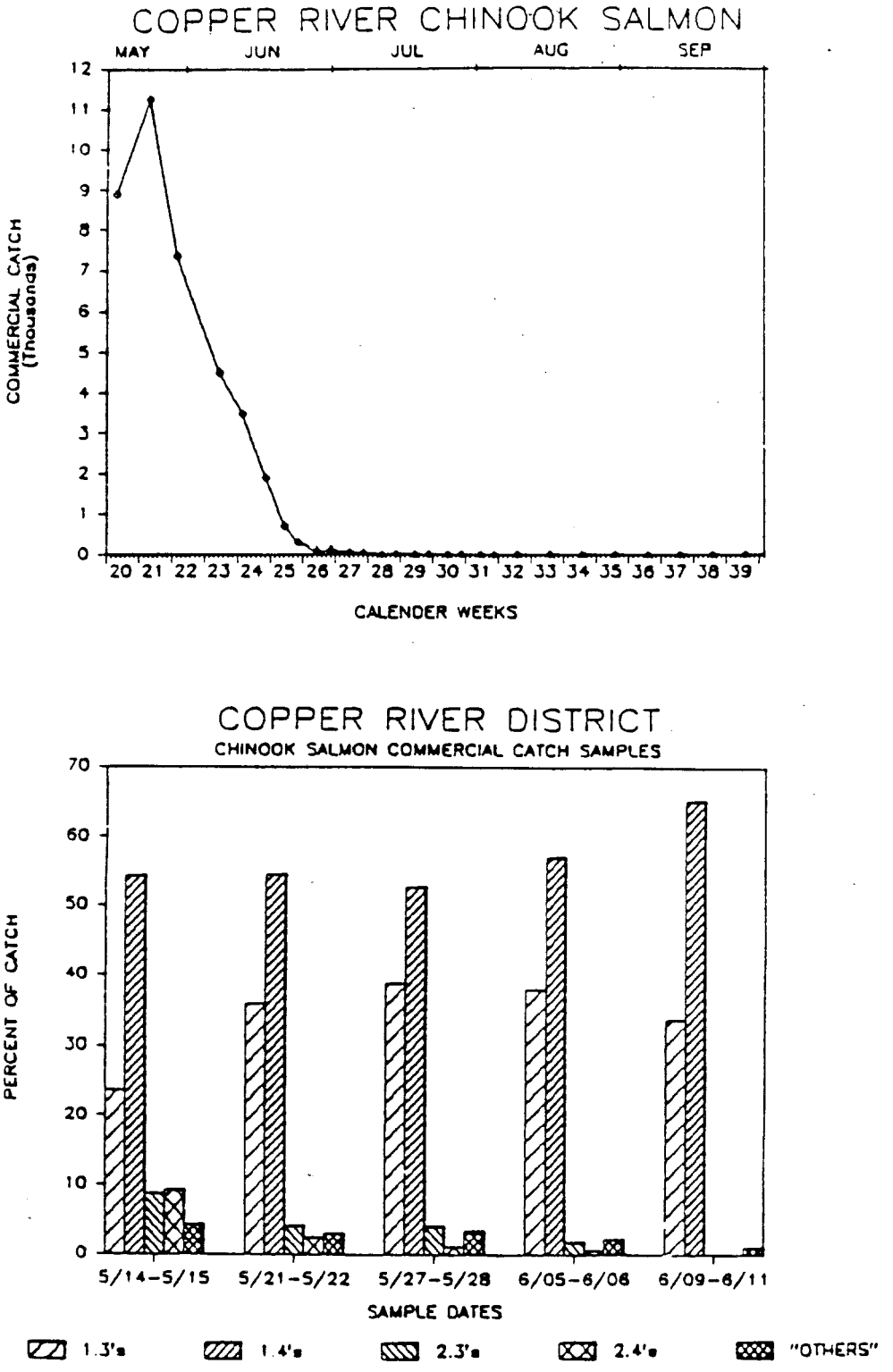

Figure 7. Chinook salmon catch by period in the Copper River District commercial drift gillnet fishery and the age composition of chinook salmon in the stratified samples from those catches, 1984.

Table 9. Estimated age composition of chinook salmon in the commercial catches in the Copper/Bering River area drift gillnet fisheries, 1984[1].

District	Sample Size	Total Catch	Percent of Catch by Brood Year and Age Group									
			1980			1979		1978		1977		
			0.3	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	3.3
Copper River (212)	2,387	38,713	.0	2.3	.0	33.5	0.4	56.2	4.2	.0	3.2	0.2

[1] Based on data from a systematic, stratified sampling program and final fish ticket summaries.

Table 10. Commercial catches of coho salmon by fishery and fishing period in the Copper/Bering River area, 1984[1].

Week	Fishing Period	Fishing Dates	Fishing Hours	Fishery: Copper River Effort	Fishery: Copper River Catch	Fishery: Bering River Inside Effort	Fishery: Bering River Inside Catch	Fishery: Bering River Kayak Island Effort	Fishery: Bering River Kayak Island Catch
20	1	05/14-05/15	36	430	0	Closed		Closed	
21	2	05/21-05/22	36	409	0	Closed		Closed	
22	3	05/27-05/28	36	463	4	Closed		Closed	
23	4	06/05-06/06	24	464	9	Closed		Closed	
23-24	5	06/09-06/11	48	450	106	Closed		Closed	
24	6	06/14-06/16	48	399	26	52	0	38	0
25	7	06/18-06/20	48	223	41	21	0	71	54
	8	06/21-06/23	48	NA	83	--	3	--	176
26	9	06/25-06/27	48	NA	50	10	0	80	0
	10	06/28-06/30	36	NA	153	2	0	45	726
27	11	07/02-07/04	48	NA	314	0	460	28	412
	12	07/05-07/07	36	NA	239	NA	0	18	1,431
28	13	07/09-07/11	48	NA	354	NA	0	Closed	
	14	07/12-07/14	36	NA	182	NA	0	Closed	
29	15	07/16-07/18	48	NA	257	NA	0	Closed	
	16	07/19-07/21	36	NA	727	NA	0	Closed	
30	17	07/23-07/25	48	NA	947	NA	0	Closed	
	18	07/26-07/28	36	NA	2,320	NA	0	Closed	
31	19	07/30-08/01	48	NA	4,709	NA	0	Closed	
	20	08/02-08/04	36	NA	5,077	NA	0	Closed	
32	21	08/06-08/09	84	NA	29,138	NA	0	Closed	
33	22	08/13-08/16	84	NA	57,618	NA	4,593	Closed	
34	23	08/20-08/23	84	NA	77,878	NA	32,871	Closed	
35	24	08/27-08/30	84	NA	73,741	NA	40,214	Closed	
36	25	09/03-09/06	84	NA	81,198	NA	74,506	Closed	
37	26	09/10-09/13	84	NA	30,109	NA	45,606	Closed	
38	27	09/17-09/20	84	NA	10,811	NA	11,909	Closed	
39	28	09/24-09/27	84	NA	6,341	NA	1,671	Closed	
Total					382,432		211,833		2,799

[1] Catch and effort for the Copper River District are final; for the Bering River District they are preliminary.

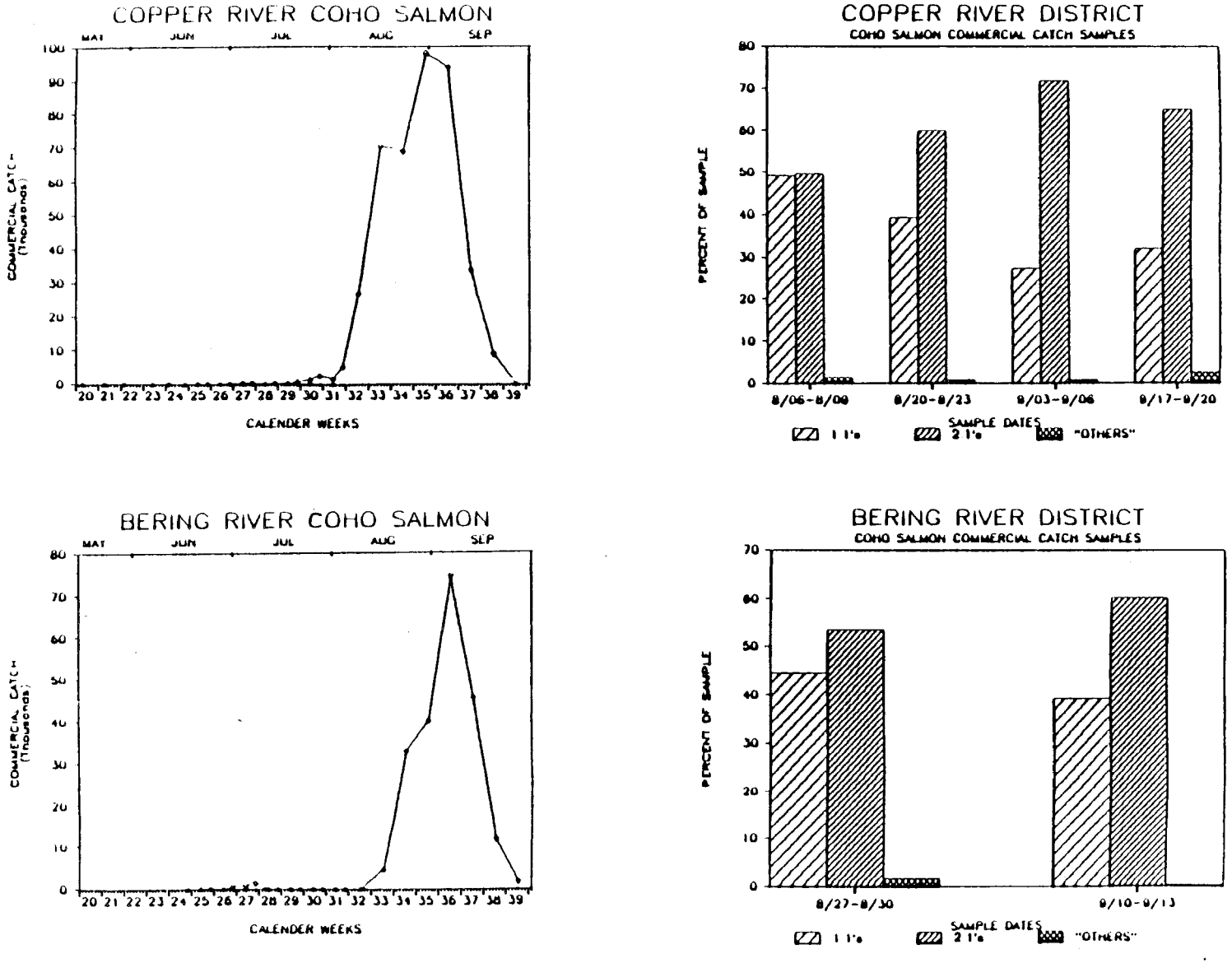

Figure 8. Coho salmon commercial catch by period in the Copper River and Bering River Districts drift gillnet fisheries and the age composition of coho salmon in the stratified catch samples from those districts, 1984.

Before August, coho salmon were caught incidentally to the fishery for sockeye salmon; after August the fishery targeted on coho salmon. Of the 382,434 coho salmon caught in District 212, 60.9% were aged 2.1 and 38.1% were aged 1.1 (Table 11). Each of these age groups comprised approximately 49% of the catch in early August but by mid-September the contribution of fish aged 2.1 had risen to 71.8% and the contribution of fish aged 1.1 had conversely declined (Figure 8; Appendix A).

In District 200 the 214,632 fish catch of coho salmon was almost exclusively from the Katella and Controller Bay areas and was taken during the regular August and September coho season (Table 10; Figure 8). The early season incidental catch of coho salmon in the sockeye fishery was very small (2,799 fish) and was taken almost exclusively from southeast of Kayak Island in Subdistrict 30. The age composition of the main coho salmon catch northwest of Kayak Island was almost the same as for the coho salmon catch in District 212 (Figure 9).

Subsistence and personal use catches of coho salmon accounted for less than 800 fish (Table 4). Sport catches were slightly larger and were primarily from Eyak Lake and a few easily accessible coastal streams on the Copper River Delta (Table 5). No age and sex composition data for these fisheries are available.

Based on available aerial survey data, coho salmon escapement to the Upper Copper River drainage appears to be insignificant (Appendix C). Aerial survey data for the Copper River Delta and Bering River spawning areas (Appendix D) provided an estimate of their relative importance but the combined escapement estimates of 38,820 fish to the Delta and 12,600 fish to the Bering River drainage (Table 6) represent some unknown fraction of the actual escapement to those areas. No age and sex composition data are available for these coastal escapements of coho salmon.

Prince William Sound

This section details salmon catch and escapement data for the nine fishing districts in Prince William Sound (Districts 221-228). The fisheries in these districts share geographic proximity, occur simultaneously, and are directed at salmon stocks of Prince William Sound origin. Chinook salmon are incidental in Prince William Sound catches and are not discussed in the text. More detailed data on the salmon catches and escapements in Prince William Sound are presented in Appendices E and F, respectively. Available length and weight data for salmon returning to Prince William Sound are in Appendices G and H.

Sockeye Salmon:

A total of 311,925 sockeye salmon was caught in Prince William Sound (Table 12). The gillnet catch of 160,185 fish included 94,956 fish caught in the Coghill District, 18,513 fish caught in the Unakwik Subdistrict, and, 46,716 fish caught in the Eshamy District. The Coghill District catch occurred from mid-June to early August and peaked in early July (Table 12; Figure 9). Fish aged 1.3 comprised 75.5% of the catch, fish aged 1.2 comprised 14.2%, and

Table 11. Estimated age composition of the coho salmon in the commercial catches in the drift gillnet fisheries in the Copper/Bering River area, 1984[1].

			Percent of Catch by Brood Year and Age Group[2]							
			1982	1981		1980		1979		1978
Fishery	Sample Size	Total Catch	1.0	1.1	2.0	1.2	2.1	1.3	2.2	3.1
Copper River	1,305	382,432	.0	38.1	.0	0.0	60.9	.0	0.1	0.9
Bering River	868	211,833	0.0	43.1	0.1	0.1	55.5	0.0	0.0	1.1

[1] Catch data for the Copper River fishery are from final fish ticket summaries. Catch data for the Bering River fishery are from preliminary summaries. The age composition data for the Bering River fisheries are based on samples taken from the large catches in subdistricts 10 and 20. The small, incidental catches in Subdistrict 30 were not sampled.

[2] When an age group is present but constitutes less than .05% of the catch the percentage is given as .0% versus 0.0% when the age group is not present in the population.

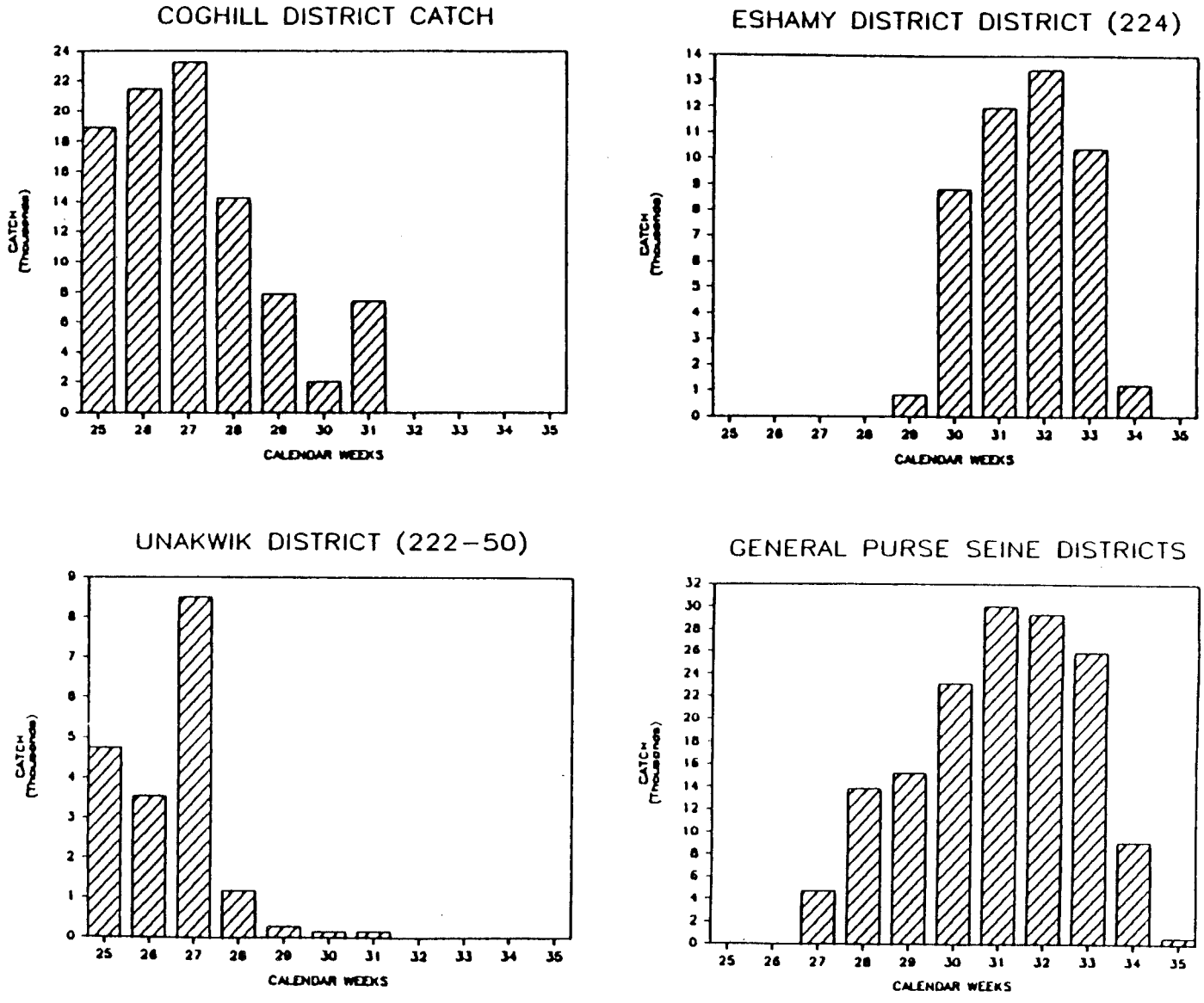

Figure 9. Commercial catch of sockeye salmon by calendar week in the Coghill, Unakwik, and Eshamy gillnet fisheries and in the combined purse seine fisheries of Prince William Sound, 1984.

Table 12. Weekly catches of sockeye salmon and weekly fishing effort in the commercial fisheries of Prince William Sound, 1984[1].

Week		Gillnet Fisheries									Purse Seine Fisheries			Total PWS Catch
		Coghill Drift Gillnet			Unakwik Drift Gillnet			Eshamy Drift and Set Gillnet			General Purse Seine			
No.	Dates	Hours	Effort [2]	Catch	Hours	Effort [2]	Catch	Hours	Effort [2]	Catch	Hours	Effort [2]	Catch	
25	6/17-6/23	87	NA	18,897	87	NA	4,735	Closed	NA	Closed	Closed	NA	Closed	23,632
26	6/24-6/30	111	NA	21,477	111	NA	3,540	Closed	NA	Closed	Closed	NA	Closed	25,017
27	7/01-7/07	111	NA	23,190	111	NA	8,497	Closed	NA	Closed	111	NA	4,705	36,392
28	7/08-7/14	111	NA	14,170	111	NA	1,182	Closed	NA	Closed	111	NA	13,832	29,184
29	7/15-7/21	111	NA	7,843	111	NA	272	126 *	NA	832	111	NA	15,228	24,175
30	7/22-7/28	111	NA	1,996	111	NA	150	111	NA	8,826	111	NA	23,086	34,058
31	7/29-8/04	138	NA	7,383	138	NA	137	138	NA	11,998	138	NA	30,039	49,557
32	8/05-8/11	141	NA	0	141	NA	0	141	NA	13,431	141	NA	29,316	42,747
33	8/12-8/18	111	NA	0	111	NA	0	111	NA	10,411	111	NA	25,959	36,370
34	8/19-8/25	111	NA	0	111	NA	0	102	NA	1,218	111	NA	9,059	10,277
35	8/26-9/01	111	NA	0	111	NA	0	168	NA	0	111	NA	516	516
36	9/02-9/08	111	NA	0	111	NA	0	168	NA	0	111	NA	0	0
37	9/09-9/15	111	NA	0	111	NA	0	141	NA	0	111	NA	0	0
Total				94,956			18,513			46,716			151,740	311,925

[1] Catch data are from preliminary fish ticket summaries.

[2] Not available from preliminary fish ticket summaries. Will be available from final summaries.

there was no significant change in the age composition through the season (Table 13; Figure 10). The smaller catch in the Unakwik Subdistrict was simultaneous with the main catch in Coghill (Table 12; Figure 9). It was also predominantly fish aged 1.3 but had a significant portion (16.3%) of fish aged 2.3 (Table 13; Figure 10). The portion of the catch aged 2.3 increased from 6.4% in the third week of June to 24.3% by early July and the portion of the catch aged 1.3 conversely declined (Figure 10).

Unlike the catch from the other two gillnet fisheries, the catch in the Eshamy District was later (mid July to late August) and was predominantly fish aged 1.2 (89.4%) and; the remainder was mostly fish aged 2.2 (Tables 12 and Table 13; Figure 9). There was a slight increase on the portion aged 2.2 and corresponding decrease of the portion aged 1.2 as the season progressed (Figure 10).

The purse seine catch began in early July, peaked in late July and remained strong through August (Table 12; Figure 9). Approximately 80% of the sockeye salmon caught in the purse seine fishery were caught in the Southwestern District (226). The age composition was similar to the age composition of the gillnet catch in the adjacent Eshamy District (225) (Figure 10).

Approximately 4,000 sockeye salmon were caught in the Prince William Sound sport fishery (Table 5). The subsistence catch of sockeye salmon was insignificant (Table 4). Age and sex composition data are not available for these small fisheries.

The total sockeye salmon escapement through the Coghill weir was 63,620 fish and the total sockeye salmon escapement through the Eshamy weir was 36,121 fish (Table 14; Figure 11; Appendix F). The majority of the escapement through the Coghill weir was very evenly distributed through the latter half of June and the first half of July (Figure 11; Appendix F). The portion of the escapement aged 1.3 increased slightly over the season or 47.2% to 57.1% (Figure 12) but was never as high as it was in the gillnet catch in the Coghill District (Tables 14 and 13). The escapement through Eshamy weir was later and more prolonged than through Coghill weir (Figure 11; Appendix F). The Eshamy escapement age composition was similar to the age composition in the Eshamy District gillnet catch. Fish aged 1.2 were predominant (92.8%) and fish aged 2.2 made the only other significant contribution (Table 14; Figure 12). The other sockeye salmon runs in Prince William Sound including the ones which contributed to the Unakwik fishery were much smaller and the only escapement information available was from aerial surveys (Appendix F).

Coho Salmon:

Though they were only incidental in the commercial fisheries, coho salmon were fairly numerous in the 1984 season catch in Prince William Sound (12,424 fish, Table 1). Catches were largest in the Southwestern District (226) and the Eastern District (221); were greatest in the first 2 weeks of August and were predominantly fish aged 2.1 and fish aged 1.1 (53.1% and 39.8%, respectively). See Appendix E.

The sport fishery in Prince William Sound is increasingly targeted on coho salmon. It was difficult to separate Copper/Bering River catches from Prince

Table 13. Estimated age composition of sockeye salmon in the commercial catches from the drift gillnet, set gillnet, and the purse seine fisheries in Prince William Sound, 1984[1].

Fishery	Sample Size	Total Catch	Percent of Catch by Brood Year and Age Group											
			1981		1980			1979			1978			1977
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	3.3
Unakwik Drift Gillnet	1,160	18,513	0.0	0.0	0.0	4.7	0.0	77.0	1.4	0.0	0.2	16.3	0.2	0.3
Coghill Drift Gillnet	2,285	94,956	0.3	0.0	0.6	14.2	0.0	75.5	3.5	0.0	0.0	5.8	.0	0.0
Eshamy Drift + Set Gillnet	2,328	46,716	.0	0.0	0.1	89.4	0.1	2.0	8.1	0.1	0.0	0.2	0.0	0.0
General Purse Seine	1,677	151,740	0.0	0.4	0.1	75.6	0.4	8.4	12.6	0.0	0.1	2.1	0.3	0.0

[1] Based on age composition data from systematic, stratified sampling programs in each fishery and preliminary catch data.

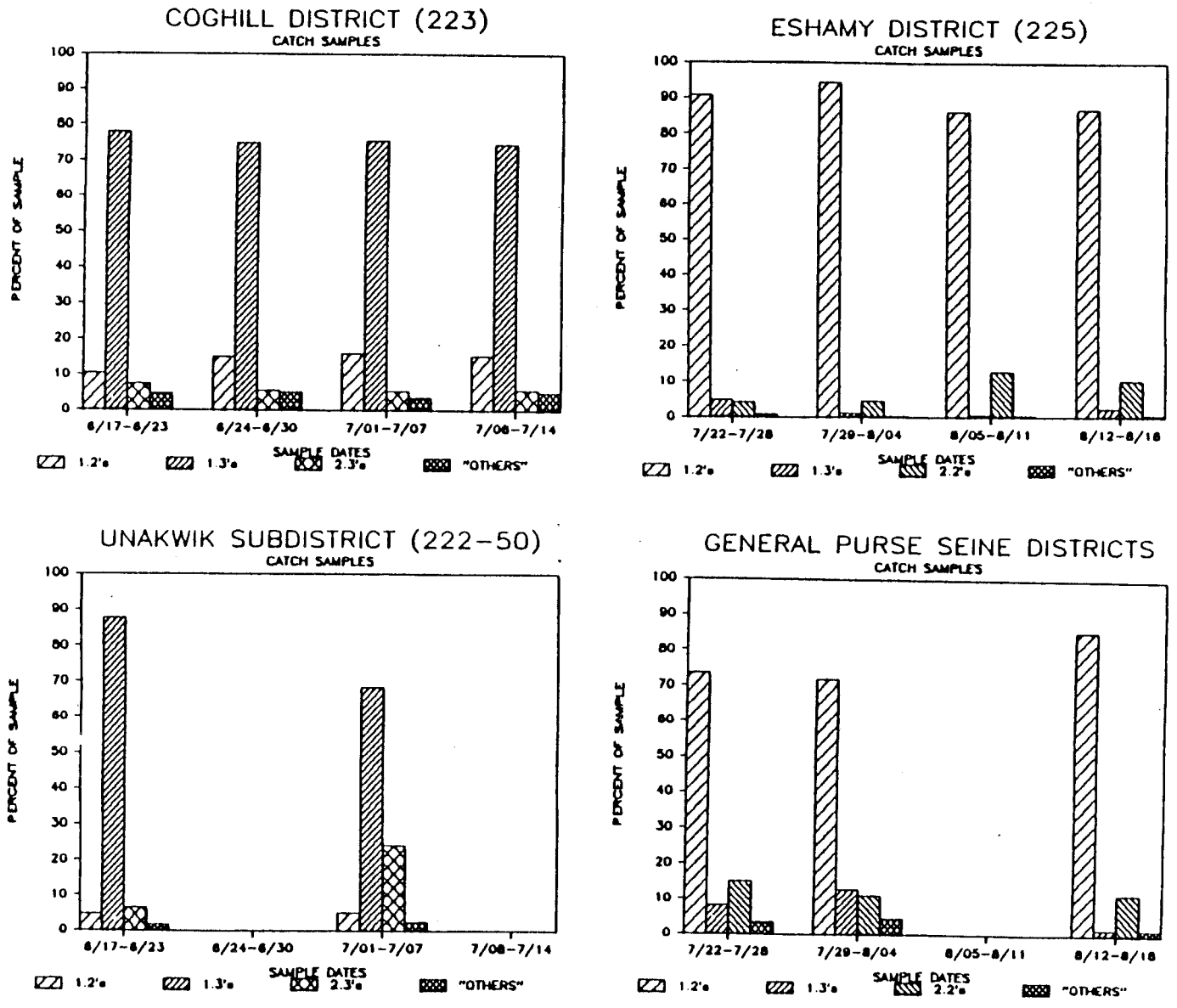

Figure 10. Age composition of sockeye salmon in the stratified samples from the commercial catch in the Coghill, Unakwik, and Eshamy gillnet fisheries of and in the combined purse seine fisheries of Prince William Sound, 1984.

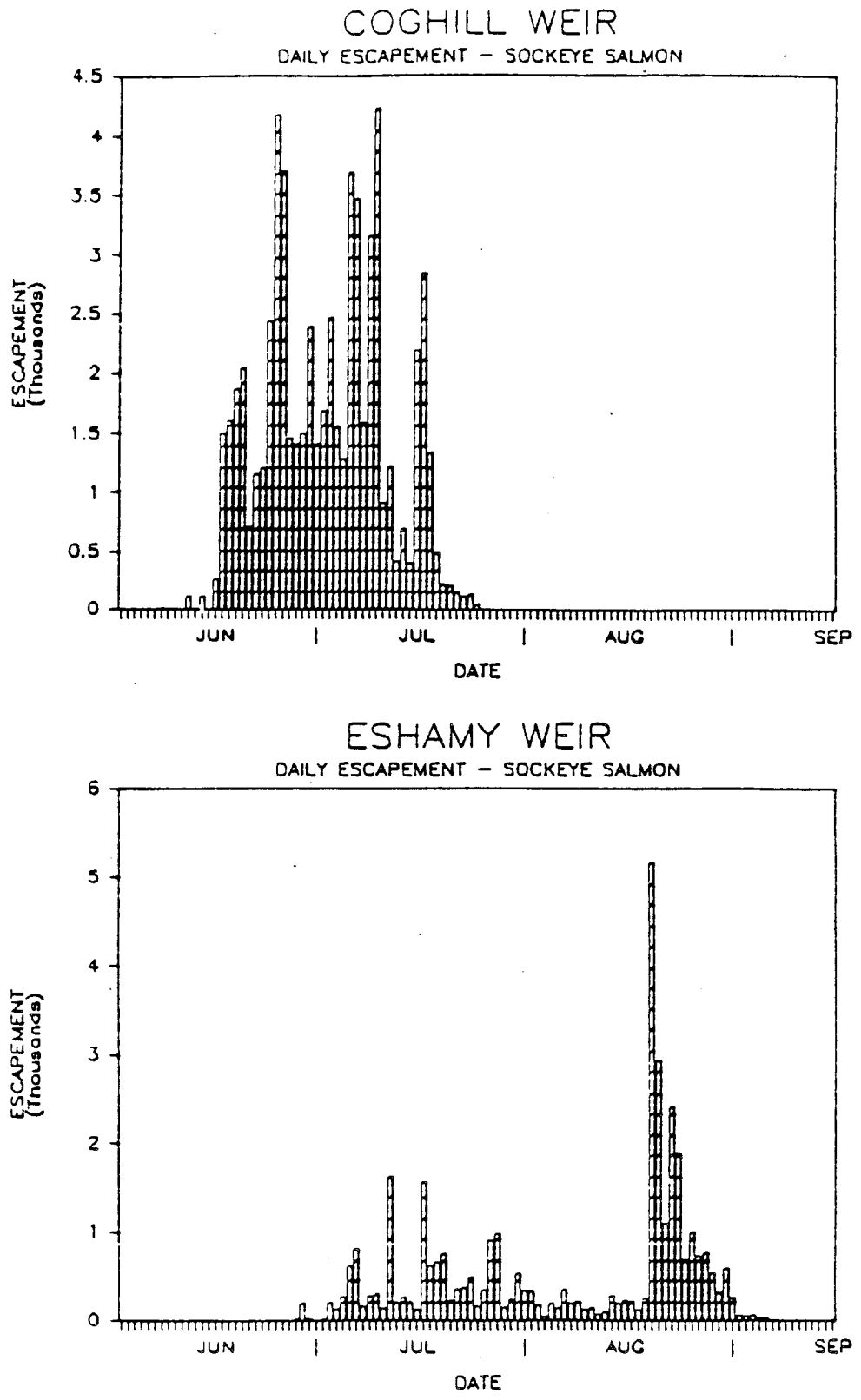

Figure 11. Daily escapements of sockeye salmon through the weirs at Coghill Lake and Eshamy Lake, Prince William Sound, 1984.

Table 14. Estimated age composition of the sockeye salmon escapements in Prince William Sound, 1984[1].

	Sample Size	Total Escapement	Percent of Escapement by Brood Year and Age Group									
			1981		1980			1979		1978		
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2
Coghill Lake	1,067	63,620	0.3	0.7	0.2	38.4	0.0	52.6	4.6	0.2	3.1	0.0
Eshamy Lake	2,073	36,121	0.0	0.0	0.0	92.8	0.5	0.6	5.9	0.0	0.1	0.1

[1] Based on age composition data from stratified, systematic sampling of the daily escapement through weirs at both lakes.

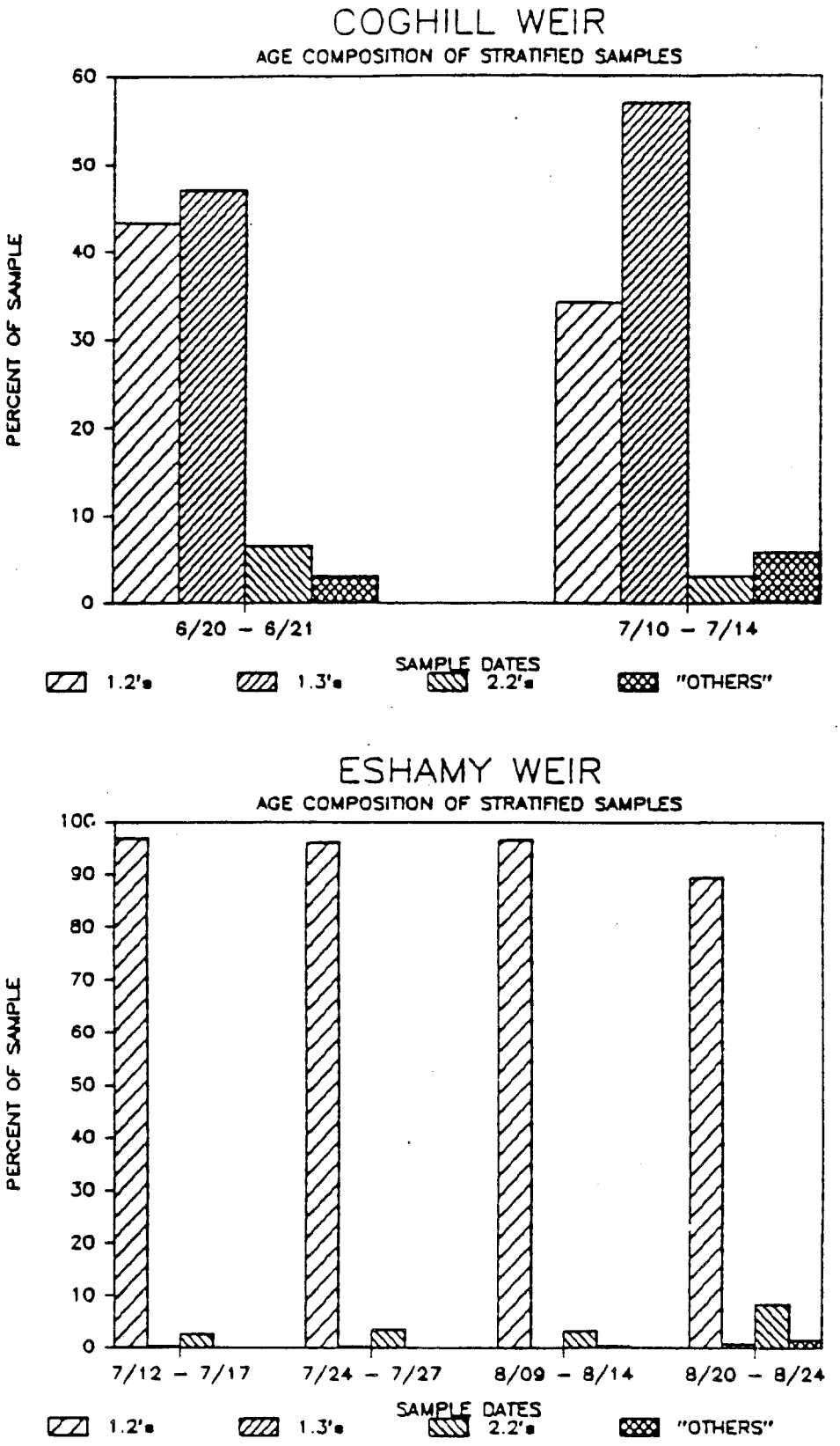

Figure 12. Age composition of sockeye salmon in the stratified samples from the escapements through the weirs at Coghill Lake and Eshamy Lake, Prince William Sound, 1984.

William Sound catches in the available data but it appeared that over 7,000 coho were caught in the waters of Prince William Sound in 1984 (Table 5). The subsistence catch of coho salmon was insignificant (Table 4).

Chum Salmon:

Approximately 1.2 million chum salmon were caught in Prince William Sound (Table 15) of which about 75% were caught with purse seines and the remainder with gillnets. There were significant purse seine catches reported from five of the seven districts but almost 70% of the purse seine catch came from the Eastern and Northern Districts. Catches peaked earliest in the Northwestern District and latest in the Eastern and Southeastern Districts (Figure 13). The purse seine catch was predominantly 0.3 or 4-year-old fish (68.9%) with the remainder evely split between 0.2 or 3-year-old fish and 0.4 or 5-year-old fish (Table 16; Figure 13). In all the districts, there was a gradual decline in the fraction of 5-year-old fish coupled with an increase in the fraction of 3-year-old fish as the season progressed. In all but the Southwestern District, there was also a gradual decline in the number of 4-year-olds through the season (Figure 13; Appendix E).

The gillnet catches of chum salmon (Table 15) were predominantly from the Coghill District (91.3%) and, as in the seine fisheries, they were predominantly 4-year-old fish (74.6%). The age composition was stable except at the very end of the season (Figure 14; Appendix E) when there was a dramatic increase in the fraction of 3-year-old fish (16.2% to 45.5%) coupled with a corresponding decrease in the fraction of 4-year-old fish (71.5% to 46.9%). The gillnet catch of chum salmon in the Eshamy District occurred much later and over a shorter time span than in the Coghill District (Table 15; Figure 15). Temporal trends in the age composition were evident as the fraction of 3-year-olds increased over time coupled with a decline in the fraction of 4- and 5-year-old fish (Figure 14; Appendix E). The estimated catch of chum salmon in special harvest areas for private non-profit hatcheries in Prince William Sound was 4,886 fish (Table 1). No age or sex composition data are available for these catches.

Subsistence catches of chum salmon were insignificant. The estimated sport catch of chum salmon was approximately 1,900 fish most of which were caught in saltwater in the Valdez and Whittier areas (Table 5; Figure 1).

Pink Salmon:

Approximately 22 million pink salmon were caught in Prince William Sound in 1984. The purse seine fishery accounted for more than 93% of the harvest of which approximately 50% (10.7 million fish) were taken in the Southwest District (226) (Table 17). Although catches in the Southwest District were large, escapement in this district accounted for less than 10% (380 thousand fish) of the estimated total pink salmon escapement of 4.2 million fish in Prince William Sound (Table 6). The Eastern District had the next largest catch (4.5 million fish) and the largest escapement (1.2 million fish or approximately 30% of the total).

In addition to the catch in the regular commercial fisheries an additional 400 thousand pink salmon were caught in the special harvest areas for private non-profit hatcheries in Prince William Sound.

Table 15. Weekly commercial catches of chum salmon by district and gear in Prince William Sound, 1984[1].

Week		Fisheries											
		Drift Gillnet			Set Gillnet	Purse Seine							Total PWS Catch
No.	Dates	Coghill	Unakwik	Eshamy	Eshamy	Eastern	Northern	Coghill	Northwest	Southwest	Montague	Southeast	
25	6/17-6/23	10,828	7	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	10,835
26	6/24-6/30	22,392	501	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	22,893
27	7/01-7/07	33,563	725	Closed	Closed	42,229	25,243	1,126	2,713	3,319	0	0	108,918
28	7/08-7/14	64,777	237	Closed	Closed	18,995	14,814	0	26,522	19,133	0	0	144,478
29	7/15-7/21	81,547	1,716	404	388	5,577	49,121	0	26,523	20,915	0	321	186,512
30	7/22-7/28	36,761	2,154	7,760	917	66,306	73,172	0	11,319	43,947	20	15,189	257,545
31	7/29-8/04	15,010	1,614	4,473	948	81,314	52,887	0	9,828	24,967	61	21,082	212,184
32	8/05-8/11	0	0	2,577	566	86,335	10,703	0	2,809	18,372	0	11,753	133,195
33	8/12-8/18	0	0	222	160	83,695	167	0	739	13,075	0	10,704	108,762
34	8/19-8/25	0	0	15	21	8,520	0	0	46	2,385	0	1	10,988
35	8/26-9/01	0	0	0	0	27	0	0	0	448	0	0	475
36	9/02-9/08	0	0	0	0	0	0	0	0	0	0	0	0
37	9/09-9/15	0	0	0	0	0	0	0	0	0	0	0	0
Total		264,878	6,954	15,451	3,000	392,998	226,107	1,126	80,579	146,561	81	59,050	1,196,785

[1] Preliminary data.

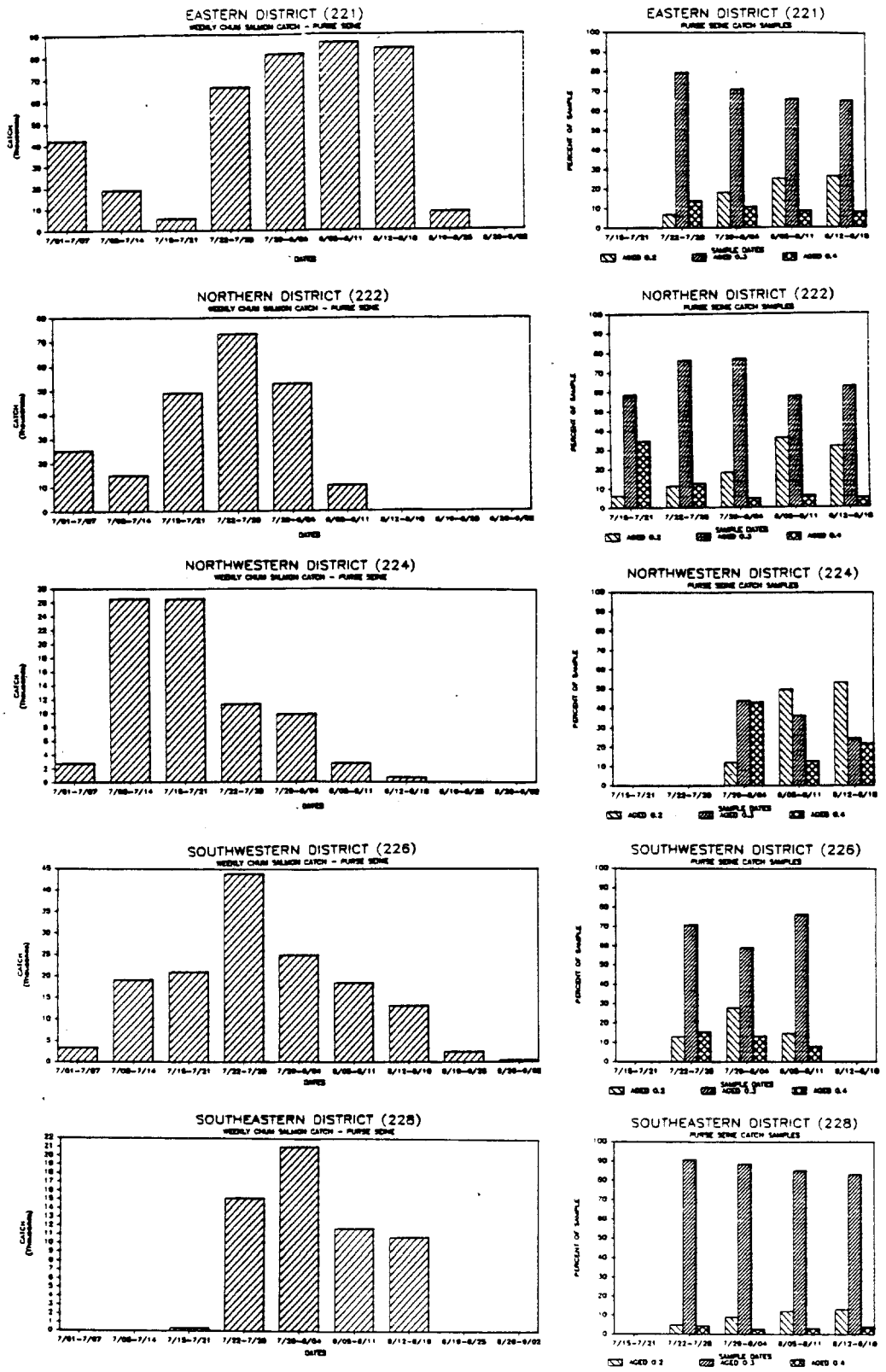

Figure 13. Weekly commercial catch of chum salmon in the five most important purse seine districts in Prince William Sound and the age composition of chum salmon in the stratified samples from the catches in each of those districts, 1984.

Table 16. Estimated age composition of chum salmon in the commercial catches in the Prince William Sound purse seine and gillnet fisheries, 1984[1].

Purse Seine Fisheries	Sample Size	Total Catch	Percent of Catch by Brood Year and Age Group[2] 1982 0.1	1981 0.2	1980 0.3	1979 0.4	1978 0.5	1977 0.6
Eastern District	1,678	392,998	.0	17.8	71.3	10.5	0.3	0.0
Northern District	1,739	226,107	.0	12.1	68.5	19.0	0.4	0.0
Northwestern District	740	80,579	0.2	18.6	42.3	38.5	0.4	0.0
Southwestern District	1,146	146,561	0.2	15.9	70.2	13.2	0.4	0.1
Southeastern District	1,577	59,049	0.0	9.2	87.3	3.4	0.1	0.0
Combined Purse Seine	6,880	905,294	0.1	15.6	68.9	15.1	0.3	.0
Gillnet Fisheries								
Coghill District	2,429	264,878	0.0	11.4	75.8	12.3	0.5	0.0
Eshamy District	706	15,451	0.0	27.8	57.2	14.7	0.3	0.0
Combined Gillnet	3,135	280,329	0.0	12.4	74.6	12.5	0.5	0.0

[1] Based on age composition data from systematic, stratified sampling programs in each district and preliminary catch data.

[2] The notation .0% indicates less than .05% whereas 0.0% indicates absence of the age group.

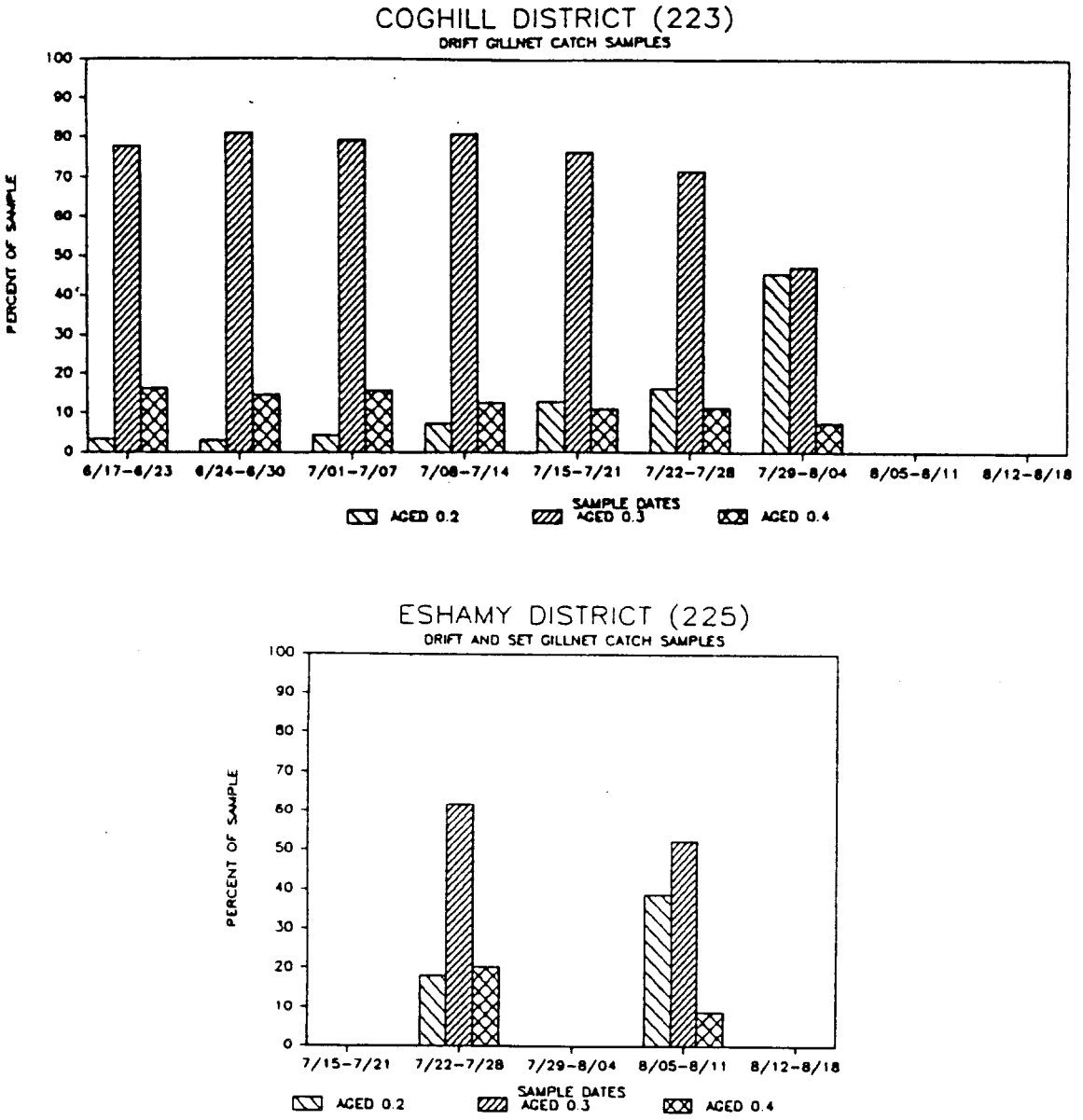

Figure 14. Age composition of chum salmon in the stratified catch samples from the Coghill District and Eshamy District gillnet fisheries, 1984.

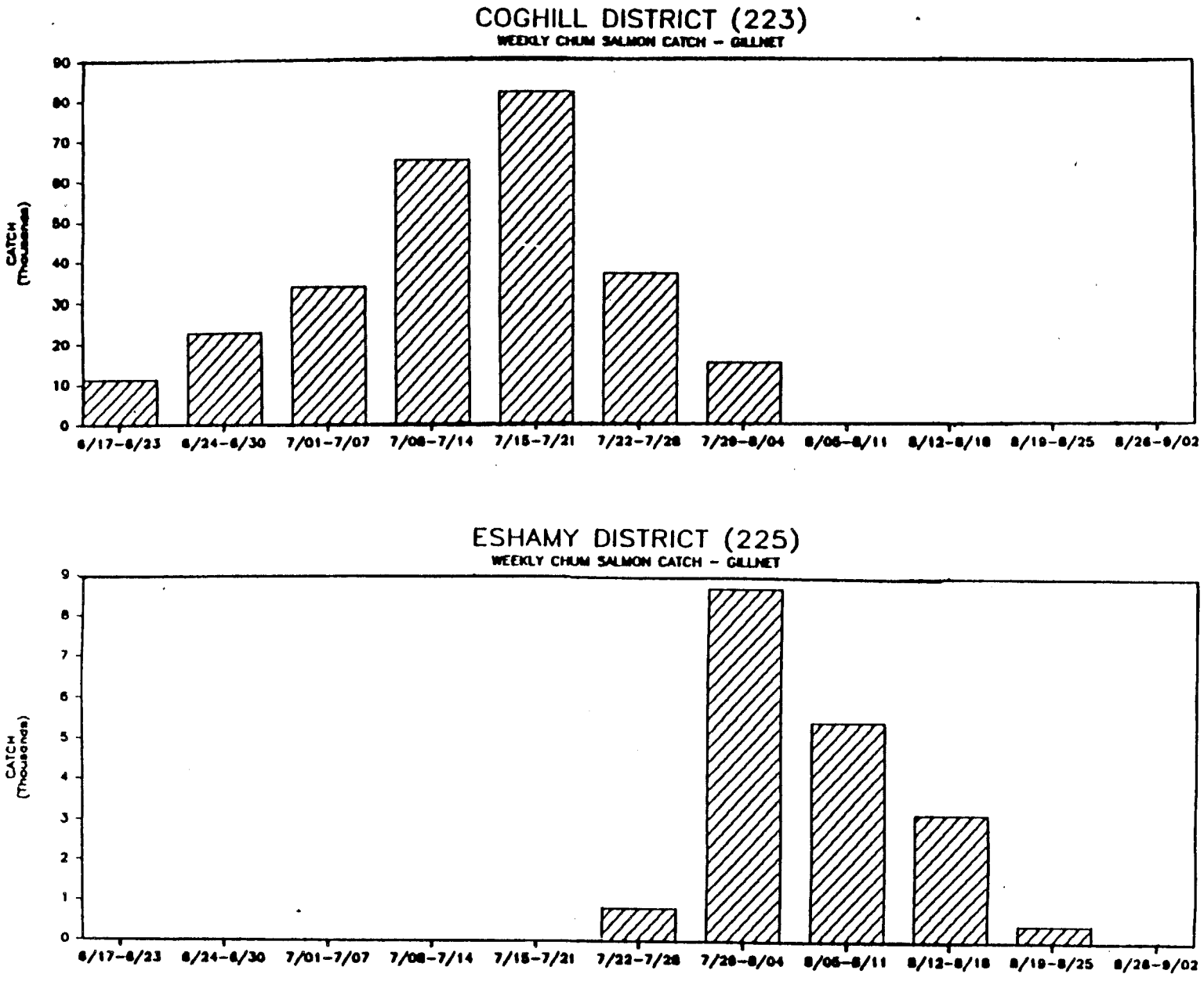

Figure 15. Weekly commercial catches of chum salmon in the Coghill and Eshamy District gillnet fisheries, 1984.

Table 17. Weekly commercial catches of pink salmon by district and gear in Prince William Sound, 1984[1].

Week		Fisheries											Total PWS Catch
		Drift Gillnet			Set Gillnet	Purse Seine							
No.	Dates	Coghill	Unakwik	Eshamy	Eshamy	Eastern	Northern	Coghill	Northwest	Southwest	Montague	Southeast	
25	6/17-6/23	8,387	24	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	8,411
26	6/24-6/30	49,395	1,162	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	50,557
27	7/01-7/07	132,764	2,376	Closed	Closed	151,535	94,228	10,911	43,063	148,872	0	0	583,749
28	7/08-7/14	142,972	597	Closed	Closed	160,311	47,268	0	251,949	604,712	0	0	1,207,809
29	7/15-7/21	271,220	4,752	4,414	9,079	43,723	220,313	0	282,561	1,202,101	0	13,334	2,051,497
30	7/22-7/28	152,198	8,910	63,574	21,584	935,677	786,117	0	255,530	2,298,718	296	277,618	4,800,222
31	7/29-8/04	140,560	9,043	69,703	44,218	1,866,168	748,706	0	320,735	1,866,999	4,200	415,356	4,685,688
32	8/05-8/11	0	0	54,308	45,121	948,615	277,209	0	166,493	2,090,726	7,091	347,278	3,936,841
33	8/12-8/18	0	0	54,620	79,611	1,012,741	38,314	0	152,194	1,890,474	0	249,317	3,477,271
34	8/19-8/25	0	0	707	78,563	170,277	0	0	7,129	516,206	0	3,412	776,294
35	8/26-9/01	0	0	0	0	27,038	0	0	0	77,708	0	0	104,746
36	9/02-9/08	0	0	0	0	0	0	0	0	0	0	0	0
37	9/09-9/15	0	0	0	0	0	0	0	0	0	0	0	0
Total		897,496	26,864	247,326	278,176	4,516,085	2,212,155	10,911	1,479,654	10,696,516	11,587	1,306,315	21,683,085

[1] Preliminary data.

Subsistence catches of pink salmon were insignificant. The estimated sport catch of pink salmon was approximately 14,500 fish most of which were caught in saltwater in the Valdez and Whittier areas (Table 5; Figure 1).

ACKNOWLEDGMENTS

The Cordova Area Management, Research, and Clerical staff provided all of the catch data and most of the escapement data for this report. Marnee Murray and the Cordova area staff was especially helpful in organizing and forwarding these data. Ken Roberson supervised the collection of samples from the subsistence and personal use fisheries on the Upper Copper River and most of the Upriver escapement samples. The Collins family of Long Lake deserves special recognition and thanks for volunteering their time and effort to install, maintain, and operate the weir at Long Lake as well as provide housing and hospitality for visiting sampling crews. The Collins family and other Long Lake residents view this project as a learning experience and provide all of their services for free.

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APPENDIX A

Catches from Copper-Bering Rivers (Districts 200, 212)

Appendix Table A1. Chinook, sockeye, and coho salmon commercial catches and effort by fishing period in the Copper River District (212), 1984[1].

Statistical Week	Period Dates	Hours Fished	Number of Boats	Chinook Period Catch	Chinook Period CPUE	Chinook Week Catch	Sockeye Period Catch	Sockeye Period CPUE	Sockeye Week Catch	Coho Period Catch	Coho Period CPUE	Coho Week Catch
20	5/15-5/15	36	430	8,896	0.57	8,896	33,591	2.17	33,591	0	0.00	0
21	5/21-5/22	36	410	11,264	0.76	11,264	175,360	11.88	175,360	0	0.00	0
22	5/27-5/28	36	463	7,352	0.44	7,352	136,757	8.20	136,757	4	0.00	4
23	6/05-6/06	24	464	4,505	0.40	4,505	62,241	5.59	62,241	9	0.00	9
23-24	6/09-6/11	48	451	3,491	0.16	3,491	95,261	4.40	95,261	106	0.00	106
24	6/14-6/16	48	399	1,888	0.10	1,888	92,642	4.84	92,642	26	0.00	26
25	6/18-6/20	48	230	752	0.07		47,576	4.31		41	0.00	
	6/21-6/23	48	240	338	0.04	1,090	49,029	5.67	96,605	83	0.01	124
26	6/25-6/27	48	154	176	0.02		33,315	4.51		50	0.01	
	6/28-6/30	36	172	92	0.01	268	23,661	3.82	56,976	153	0.02	203
27	7/02-7/04	48	152	81	0.01		35,691	4.89		314	0.04	
	7/05-7/07	36	149	28	0.01	109	21,765	4.06	57,456	239	0.04	553
28	7/09-7/11	48	127	20	0.00		25,049	4.11		354	0.06	
	7/12-7/14	36	121	16	0.00	36	19,082	4.38	44,131	182	0.04	536
29	7/16-7/18	48	87	9	0.00		16,879	4.04		257	0.06	
	7/19-7/21	36	93	6	0.00	15	8,842	2.64	25,721	727	0.22	984
30	7/23-7/25	48	51	5	0.00		8,238	3.37		947	0.39	
	7/26-7/28	36	52	6	0.00	11	4,233	2.26	12,471	2,320	1.24	3,267
31	7/30-8/01	48	61	5	0.00		3,692	1.26		4,709	1.61	
	8/02-8/04	36	70	1	0.00	6	2,331	0.93	6,023	5,077	2.01	9,786
32	8/06-8/09	84	140	13	0.00	13	4,034	0.34	4,034	29,138	2.48	29,138
33	8/13-8/16	84	238	9	0.00	9	373	0.02	373	57,618	2.88	57,618
34	8/20-8/23	84	289	1	0.00	1	51	0.00	51	77,878	3.21	77,878
35	8/27-8/30	84	311	1	0.00	1	4	0.00	4	73,741	2.82	73,741
36	9/03-9/06	84	285	0	0.00	0	78	0.00	78	81,198	3.39	81,198
37	9/10-9/13	84	286	0	0.00	0	0	0.00	0	30,109	1.25	30,109
38	9/17-9/20	84	182	0	0.00	0	1	0.00	1	10,811	0.71	10,811
39	9/24-9/27	84	99	0	0.00	0	0	0.00	0	6,341	0.76	6,341
Total				38,955			899,776			382,432		

[1] Catch, number of boats, and catch per unit of effort (CPUE) data are from final fish ticket summaries.

Appendix Table A2. Pink and chum salmon commercial catches and effort by fishing period in the Copper River District (212), 1984[1].

Statistical Week	Period Dates	Time (Hrs)	Effort (Boats)	Pink			Chum		
				Period Catch	Period CPUE	Week Catch	Period Catch	Period CPUE	Week Catch
20	5/15-5/15	36	430	0	0.00	0	9	0.00	9
21	5/21-5/22	36	410	1	0.00	1	6	0.00	6
22	5/27-5/28	36	463	0	0.00	0	370	0.02	370
23	6/05-6/06	24	464	0	0.00	0	77	0.01	77
23-24	6/09-6/11	48	451	1	0.00	1	441	0.02	441
24	6/14-6/16	48	399	2	0.00	2	591	0.03	591
25	6/18-6/20	48	230	89	0.01		413	0.04	
	6/21-6/23	48	240	1,086	0.13	1,175	820	0.09	1,233
26	6/25-6/27	48	154	91	0.01		372	0.05	
	6/28-6/30	36	172	641	0.10	732	1,619	0.26	1,991
27	7/02-7/04	48	152	1,329	0.18		616	0.08	
	7/05-7/07	36	149	1,849	0.34	3,178	162	0.03	778
28	7/09-7/11	48	127	1,967	0.32		231	0.04	
	7/12-7/14	36	121	1,405	0.32	3,372	75	0.02	306
29	7/16-7/18	48	87	2,654	0.64		277	0.07	
	7/19-7/21	36	93	5,496	0.64	8,150	341	0.10	618
30	7/23-7/25	48	51	4,406	1.80		290	0.12	
	7/26-7/28	36	52	2,195	1.17	6,601	32	0.02	322
31	7/30-8/01	48	61	3,466	1.18		94	0.03	
	8/02-8/04	36	70	2,410	0.96	5,876	43	0.02	137
32	8/06-8/09	84	140	2,664	0.23	2,664	45	0.00	45
33	8/13-8/16	84	238	391	0.02	391	6	0.00	6
34	8/20-8/23	84	289	43	0.00	43	5	0.00	5
35	8/27-8/30	84	311	8	0.00	8	0	0.00	0
36	9/03-9/06	84	285	0	0.00	0	0	0.00	0
37	9/10-9/13	84	286	0	0.00	0	0	0.00	0
38	9/17-9/20	84	182	0	0.00	0	0	0.00	0
39	9/24-9/27	84	99	0	0.00	0	0	0.00	0
Total				32,194			6,935		

[1] Catch, number of boats, and catch per unit of effort (CPUE) data are from final fish ticket summaries.

Appendix Table A3. Sockeye and coho salmon commercial catches and effort by subdistrict and fishing period in the Bering River District (200), 1984[1].

Statistical Week	Period Dates	Time (Hrs)	Effort (Boats)[2] by Subdistrict(s)		Sockeye Salmon				Coho Salmon			
					Period Catch by Subdistrict(s)				Period Catch by Subdistrict(s)			
			10&20[3]	30[4]	10&20[3]	30[4]	Combined	Weekly District Catch	10&20[3]	30[4]	Combined	Weekly District Catch
24	6/14-6/16	48	52	38	8,942	11,528	20,470	20,470	0	0	0	0
25	6/18-6/20	48	21	71	1,084	17,087	18,171		0	54	54	
	6/21-6/23	48	--	--	4,855	19,379	24,234	42,405	3	176	179	233
26	6/25-6/27	48	10	80	1,983	6,360	8,343		0	0	0	
	6/28-6/30	36	2	45	0	9,019	9,019	17,362	0	726	726	726
27	7/02-7/04	48	0	28	795	8,254	9,049		460	412	872	
	7/05-7/07	36		18	0	2,497	2,497	11,546	0	1,431	1,431	2,303
28	7/09-7/11	48		Closed[5]	0	Closed[5]	0		0	Closed[5]	0	
	7/12-7/14	36		Closed	0	Closed	0	0	0	Closed	0	0
29	7/16-7/18	48		Closed	0	Closed	0		0	Closed	0	
	7/19-7/21	36		Closed	0	Closed	0	0	0	Closed	0	0
30	7/23-7/25	48		Closed	0	Closed	0		0	Closed	0	
	7/26-7/28	36		Closed	0	Closed	0	0	0	Closed	0	0
31	7/30-8/01	48		Closed	0	Closed	0		0	Closed	0	
	8/02-8/04	36		Closed	0	Closed	0	0	0	Closed	0	0
32	8/06-8/09	84		Closed	0	Closed	0	0	0	Closed	0	0
33	8/13-8/16	84		Closed	0	Closed	0	0	4,593	Closed	4,593	4,593
34	8/20-8/23	84		Closed	1	Closed	1	1	32,871	Closed	32,871	32,871
35	8/27-8/30	84		Closed	0	Closed	0	0	40,214	Closed	40,214	40,214
36	9/03-9/06	84		Closed	0	Closed	0	0	74,506	Closed	74,506	74,506
37	9/10-9/13	84		Closed	0	Closed	0	0	45,606	Closed	45,606	45,606
38	9/17-9/20	84		Closed	0	Closed	0	0	11,909	Closed	11,909	11,909
39	9/24-9/27	84		Closed	0	Closed	0	0	1671	Closed	1,671	1,671
Total					17,660	74,124	91,784		211,833	2,799	214,632	

[1] Catch data are preliminary.

[2] Incomplete data from aerial surveys during the fishing periods.

[3] Includes Katella and Controller Bays and the nearshore waters west of Kayak Island.

[4] Includes nearshore waters east of Kayak Island.

[5] On 9 July 1984 the Kayak Island fishery was closed for the remainder of the season by emergency order.

Appendix Table A4. Chinook, pink, and chum salmon commercial catches and effort by subdistrict and fishing period in the Bering River District, 1984.

Statistical week	Period Dates	Time (Hrs)	Effort (Boats) [2] by Subdistrict(s) 10420 [3]	30 [4]	Chinook Salmon Period Catch by Subdistrict(s) 10420 [3]	30 [4]	Combined	Weekly District Catch	Pink Salmon Period Catch by Subdistrict(s) 10420 [3]	30 [4]	Combined	Weekly District Catch	Chum Salmon Period Catch by Subdistrict(s) 10420 [3]	30 [4]	Combined	Weekly District Catch
24	6/14-6/16	48	52	38	34	20	54	54	0	3	3	3	0	3,152	3,152	3,152
25	6/18-6/20	48	21	71	0	71	71		0	100	100		0	3,027	3,027	
	6/21-6/23	48	—	—	19	0	19	90	19	55	74	174	13	3,425	3,438	6,465
26	6/25-6/27	48	10	80	0	80	80		0	1	1		0	2,510	2,510	
	6/28-6/30	36	2	45	0	45	45	125	0	73	73	74	0	6,558	6,558	9,068
27	7/02-7/04	48	0	28	0	28	28		30	12	42		466	1,047	1,513	
	7/05-7/07	36		18	0	18	18	46	0	0	0	42	0	210	210	1,723
28	7/09-7/11	48		Closed [5]	0	Closed [5]	0		0	Closed [5]	0		0	Closed	0	
	7/12-7/14	36		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
29	7/16-7/18	48		Closed	0	Closed	0		0	Closed	0		0	Closed	0	
	7/19-7/21	36		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
30	7/23-7/25	48		Closed	0	Closed	0		0	Closed	0		0	Closed	0	
	7/26-7/28	36		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
31	7/30-8/01	48		Closed	0	Closed	0		0	Closed	0		0	Closed	0	
	8/02-8/04	36		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
32	8/06-8/09	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
33	8/13-8/16	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
34	8/20-8/23	84		Closed	1	Closed	1	1	16	Closed	16	16	0	Closed	0	0
35	8/27-8/30	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
36	9/03-9/06	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
37	9/10-9/13	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
38	9/17-9/20	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
39	9/24-9/27	84		Closed	0	Closed	0	0	0	Closed	0	0	0	Closed	0	0
Total					54	262	316		65	244	309		479	19,929	20,408	

[1] The fisheries in the Bering River District are primarily for sockeye and coho salmon. Chinook, pink, and chum salmon catches are incidental and much smaller. All catch data are preliminary.

[2] Incomplete data from aerial surveys during the fishing periods.

[3] Includes Katella and Controller Bays and the nearshore waters west of Kayak Island.

[4] Includes nearshore waters east of Kayak Island.

[5] On 9 July 1984 the Kayak Island fishery was closed for the remainder of the season by emergency order.

Appendix Table A5. Estimated age and sex composition of chinook salmon in the commercial catches from the Copper River District (212) drift gillnet fishery, 1984[1].

		Brood Year and Age Group										
		1980			1979		1978		1977			
		0.3	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	3.3	Total
Stratum Dates:	5/13 - 5/19											
Sample Dates:	5/14 - 5/15											
Sample Size:	554											
Female	Percent of Sample	0.0	1.1	0.0	14.8	0.4	22.5	5.9	0.0	4.4	0.2	49.3
	Number in Catch	0	98	0	1,316	36	2,002	525	0	391	18	4,386
Male	Percent of Sample	0.0	1.5	0.0	8.8	0.9	31.7	2.7	0.0	4.9	0.2	50.7
	Number in Catch	0	133	0	783	80	2,820	240	0	436	18	4,510
Total	Percent of Sample	0.0	2.6	0.0	23.6	1.3	54.2	8.6	0.0	9.3	0.4	100.0
	Number in Catch	0	231	0	2,099	116	4,822	765	0	827	36	8,896
	Standard Error	0	60	0	161	43	188	106	0	110	24	
Stratum Dates:	5/20 - 5/26											
Sample Dates:	5/21 - 5/22											
Sample Size:	584											
Female	Percent of Sample	0.0	2.2	0.0	21.4	0.2	23.1	2.4	0.0	0.9	0.2	50.4
	Number in Catch	0	248	0	2,410	23	2,601	270	0	101	23	5,676
Male	Percent of Sample	0.0	0.5	0.0	14.5	0.0	31.3	1.7	0.0	1.6	0.0	49.6
	Number in Catch	0	56	0	1,633	0	3,525	191	0	180	0	5,585
Total	Percent of Sample	0.0	2.7	0.0	35.9	0.2	54.4	4.1	0.0	2.5	0.2	100.0
	Number in Catch	0	304	0	4,043	23	6,126	461	0	281	23	11,261
	Standard Error	0	76	0	224	21	232	92	0	73	21	
Stratum Dates:	5/27 - 6/02											
Sample Dates:	5/27 - 5/28											
Sample Size:	464											
Female	Percent of Sample	0.2	2.2	0.0	23.9	0.4	22.6	2.4	0.0	0.9	0.0	52.6
	Number in Catch	15	162	0	1,757	29	1,662	176	0	66	0	3,867
Male	Percent of Sample	0.0	0.6	0.0	14.9	0.0	30.0	1.7	0.0	0.2	0.0	47.4
	Number in Catch	0	44	0	1,095	0	2,206	125	0	15	0	3,485
Total	Percent of Sample	0.2	2.8	0.0	38.8	0.4	52.6	4.1	0.0	1.1	0.0	100.0
	Number in Catch	15	206	0	2,852	29	3,868	301	0	81	0	7,352
	Standard Error	15	56	0	166	22	171	68	0	36	0	

-Continued-

Appendix Table A5. Estimated age and sex composition of chinook salmon in the commercial catches from the Copper River District (212) drift gillnet fishery, 1984[1] (continued).

		Brood Year and Age Group										
		1980			1979		1978		1977			
		0.3	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	3.3	Total
Stratum Dates:	6/03 - 6/08											
Sample Dates:	6/05 - 6/06											
Sample Size:	579											
Female	Percent of Sample	0.0	1.2	0.2	23.3	0.0	24.5	1.7	0.2	0.2	0.0	51.3
	Number in Catch	0	54	9	1,049	0	1,104	77	9	9	0	2,311
Male	Percent of Sample	0.0	0.5	0.0	14.7	0.0	32.6	0.2	0.2	0.5	0.0	48.7
	Number in Catch	0	23	0	662	0	1,468	9	9	23	0	2,194
Total	Percent of Sample	0.0	1.7	0.2	38.0	0.0	57.1	1.9	0.4	0.7	0.0	100.0
	Number in Catch	0	77	9	1,711	0	2,572	86	18	32	0	4,505
	Standard Error	0	24	8	91	0	93	26	12	16	0	
Stratum Dates:	6/09 - 9/20											
Sample Dates:	6/09 - 6/11											
Sample Size:	206											
Female	Percent of Sample	0.0	1.0	0.0	15.7	0.0	30.4	0.0	0.0	0.0	0.0	47.1
	Number in Catch	0	67	0	1,052	0	2,036	0	0	0	0	3,155
Male	Percent of Sample	0.0	0.0	0.0	18.1	0.0	34.8	0.0	0.0	0.0	0.0	52.9
	Number in Catch	0	0	0	1,213	0	2,331	0	0	0	0	3,544
Total	Percent of Sample	0.0	1.0	0.0	33.8	0.0	65.2	0.0	0.0	0.0	0.0	100.0
	Number in Catch	0	67	0	2,264	0	4,368	0	0	0	0	6,699
	Standard Error	0	47	0	221	0	223	0	0	0	0	
Strata Combined:	5/13 - 9/20											
Sample Dates:	5/14 - 6/11											
Sample Size:	2,387											
Female	Percent of Catch	.0	1.6	.0	19.6	0.2	24.3	2.7	.0	1.5	0.1	50.1
	Number in Catch	15	629	9	7,584	88	9,405	1,048	9	567	41	19,395
Male	Percent of Catch	0.0	0.7	0.0	13.9	0.2	31.9	1.5	.0	1.7	.0	49.9
	Number in Catch	0	256	0	5,386	80	12,350	565	9	654	18	19,318
Total	Percent of Catch	.0	2.3	.0	33.5	0.4	56.2	4.2	.0	3.2	0.2	100.0
	Number in Catch	15	885	9	12,969	168	21,756	1,613	18	1,221	59	38,713
	Standard Error	15	121	0	391	52	410	156	0	137	32	

[1] Based on final catch summaries from fish tickets and age and sex composition data from a stratified systematic sampling program.

Appendix Table A6. Estimated age and sex composition of the sockeye salmon in the commercial catches from the drift gillnet fishery in the Copper River District (212), 1984[1].

		Brood Year and Age Group											
		1981	1980		1979			1978			1977		
		0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Stratum Dates:	5/13 - 5/19												
Sample Dates:	5/14 - 5/15												
Sample Size:	577												
Female	Percent of Sample	0.0	0.0	0.3	0.0	38.4	0.2	0.2	11.4	0.0	0.0	0.0	50.5
	Number in Catch	0	0	101	0	12,899	67	67	3,829	0	0	0	16,963
Male	Percent of Sample	0.0	0.0	0.3	0.0	39.6	0.2	0.2	8.9	0.0	0.0	0.3	49.5
	Number in Catch	0	0	101	0	13,302	67	67	2,990	0	0	101	16,628
Total	Percent of Sample	0.0	0.0	0.6	0.0	78.0	0.4	0.4	20.3	0.0	0.0	0.3	100.0
	Number in Catch	0	0	202	0	26,201	134	134	6,819	0	0	101	33,591
	Standard Error	0	0	108	0	580	88	88	563	0	0	77	
Stratum Dates:	5/20 - 5/26												
Sample Dates:	5/21 - 5/22												
Sample Size:	1,289												
Female	Percent of Sample	0.0	0.1	0.9	0.1	47.2	0.2	0.0	8.2	0.0	0.0	0.1	56.8
	Number in Catch	0	175	1,578	175	82,771	351	0	14,380	0	0	175	99,605
Male	Percent of Sample	0.0	0.0	0.8	0.0	36.4	0.4	0.1	5.5	0.0	0.0	0.0	43.2
	Number in Catch	0	0	1,403	0	63,831	701	175	9,645	0	0	0	75,755
Total	Percent of Sample	0.0	0.1	1.7	0.1	83.6	0.6	0.1	13.7	0.0	0.0	0.1	100.0
	Number in Catch	0	175	2,981	175	146,602	1,052	175	24,025	0	0	175	175,360
	Standard Error	0	154	632	154	1,809	377	154	1,680	0	0	154	
Stratum Dates:	5/27 - 6/02												
Sample Dates:	5/27 - 5/28												
Sample Size:	1,568												
Female	Percent of Sample	0.0	0.3	1.3	0.0	41.3	0.3	0.0	6.7	0.0	0.0	0.0	49.9
	Number in Catch	0	410	1,778	0	56,481	410	0	9,163	0	0	0	68,242
Male	Percent of Sample	0.0	0.3	1.5	0.0	41.3	0.4	0.0	6.5	0.0	0.0	0.1	50.1
	Number in Catch	0	410	2,051	0	56,481	547	0	8,889	0	0	137	68,515
Total	Percent of Sample	0.0	0.6	2.8	0.0	82.6	0.7	0.0	13.2	0.0	0.0	0.1	100.0
	Number in Catch	0	820	3,829	0	112,962	957	0	18,052	0	0	137	136,757
	Standard Error	0	267	570	0	1,310	288	0	1,169	0	0	109	

-Continued-

Appendix Table A6. Estimated age and sex composition of the sockeye salmon in the commercial catches from the drift gillnet fishery in the Copper River District (212), 1984[1] (continued).

		Brood Year and Age Group											
		1981	1980		1979			1978			1977		
		0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Stratum Dates:	6/03 - 6/11												
Sample Dates:	6/05 - 6/06												
Sample Size:	586												
Female	Percent of Sample	0.2	0.7	1.9	0.0	40.2	0.5	0.3	7.5	0.0	0.0	0.2	51.5
	Number in Catch	315	1,103	2,993	0	63,315	788	473	11,812	0	0	315	81,114
Male	Percent of Sample	0.2	0.7	3.6	0.0	38.4	0.3	0.2	5.1	0.0	0.0	0.0	48.5
	Number in Catch	315	1,103	5,670	0	60,480	473	315	8,032	0	0	0	76,388
Total	Percent of Sample	0.4	1.4	5.5	0.0	78.6	0.8	0.5	12.6	0.0	0.0	0.2	100.0
	Number in Catch	630	2,206	8,663	0	123,795	1,261	788	19,844	0	0	315	157,502
	Standard Error	411	765	1,485	0	2,671	580	459	2,161	0	0	291	
Stratum Dates:	6/12 - 6/20												
Sample Dates:	6/14 - 6/16												
Sample Size:	650												
Female	Percent of Sample	0.0	0.2	3.2	0.0	43.7	0.2	0.0	1.8	0.0	0.0	0.0	49.1
	Number in Catch	0	280	4,487	0	61,275	280	0	2,525	0	0	0	68,847
Male	Percent of Sample	0.0	0.3	4.6	0.0	43.7	0.3	0.0	2.0	0.0	0.0	0.0	50.9
	Number in Catch	0	421	6,450	0	61,275	421	0	2,804	0	0	0	71,371
Total	Percent of Sample	0.0	0.5	7.8	0.0	87.4	0.5	0.0	3.8	0.0	0.0	0.0	100.0
	Number in Catch	0	701	10,937	0	122,550	701	0	5,329	0	0	0	140,218
	Standard Error	0	388	1,476	0	1,827	388	0	1,052	0	0	0	
Stratum Dates:	6/21 - 7/04												
Sample Dates:	6/25 - 6/27												
Sample Size:	600												
Female	Percent of Sample	0.0	0.3	4.7	0.0	44.6	0.5	0.0	2.0	0.2	0.2	0.0	52.5
	Number in Catch	0	425	6,660	0	63,197	708	0	2,834	283	283	0	74,390
Male	Percent of Sample	0.0	1.3	5.0	0.0	38.7	0.3	0.2	1.8	0.2	0.0	0.0	47.5
	Number in Catch	0	1,842	7,085	0	54,837	425	283	2,551	283	0	0	67,306
Total	Percent of Sample	0.0	1.6	9.7	0.0	83.3	0.8	0.2	3.8	0.4	0.2	0.0	100.0
	Number in Catch	0	2,267	13,745	0	118,034	1,133	283	5,385	566	283	0	141,696
	Standard Error	0	726	1,713	0	2,159	516	259	1,107	365	259	0	

-Continued-

Appendix Table A6. Estimated age and sex composition of the sockeye salmon in the commercial catches from the drift gillnet fishery in the Copper River District (212), 1984[1] (continued).

		Brood Year and Age Group										
		1981	1980		1979			1978			1977	
		0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Stratum Dates:	7/05 - 9/20												
Sample Dates:	7/12 - 7/14												
Sample Size:	610												
Female	Percent of Sample	0.0	0.3	4.3	0.0	40.5	0.8	0.0	7.0	0.0	0.0	0.0	52.9
	Number in Catch	0	344	4,930	0	46,434	917	0	8,026	0	0	0	60,651
Male	Percent of Sample	0.0	0.0	8.0	0.0	32.6	1.7	0.0	4.8	0.0	0.0	0.0	47.1
	Number in Catch	0	0	9,172	0	37,377	1,949	0	5,503	0	0	0	54,001
Total	Percent of Sample	0.0	0.3	12.3	0.0	73.1	2.5	0.0	11.8	0.0	0.0	0.0	100.0
	Number in Catch	0	344	14,102	0	83,811	2,866	0	13,529	0	0	0	114,652
	Standard Error	0	254	1,526	0	2,060	725	0	1,499	0	0	0	
Strata Combined:	5/13 - 9/20												
Sample Dates:	5/14 - 7/14												
Sample Size:	5,880												
Female	Percent of Catch	.0	0.3	2.5	.0	42.9	0.4	0.1	5.8	.0	.0	0.1	52.2
	Number in Catch	315	2,737	22,527	175	386,372	3,521	540	52,569	283	283	490	469,812
Male	Percent of Catch	.0	0.4	3.5	0.0	38.6	0.5	0.1	4.5	.0	0.0	.0	47.8
	Number in Catch	315	3,776	31,932	0	347,583	4,583	840	40,414	283	0	238	429,964
Total	Percent of Catch	0.1	0.7	6.1	.0	81.6	0.9	0.2	10.3	0.1	.0	0.1	100.0
	Number in Catch	630	6,513	54,459	175	733,955	8,104	1,380	92,983	566	283	728	899,776
	Standard Error	411	1,193	3,222	154	4,970	1,230	556	3,709	365	259	355	

[1] Based on final catch summaries from fish tickets and age and sex composition data from a stratified systematic sampling program.

Appendix Table A7. Estimated age and sex composition of sockeye salmon in the commercial catches from the drift gillnet fishery in the Kayak Subdistrict (30) of the Bering River District (200), 1984[1].

		Brood Year and Age Group									
		1982	1981	1980		1979		1978			
		0.1	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	Total
Stratum Dates:	6/10 - 6/16										
Sample Dates:	6/14 - 6/16										
Sample Size:	591										
Female	Percent of Sample	0.0	0.0	1.0	2.7	41.0	0.2	0.0	1.2	0.0	46.1
	Number in Catch	0	0	115	311	4,727	23	0	138	0	5,314
Male	Percent of Sample	0.0	0.0	1.0	2.7	48.1	0.7	0.0	1.4	0.0	53.9
	Number in Catch	0	0	115	311	5,545	81	0	162	0	6,214
Total	Percent of Sample	0.0	0.0	2.0	5.4	89.1	0.9	0.0	2.6	0.0	100.0
	Number in Catch	0	0	230	622	10,272	104	0	300	0	11,528
	Standard Error	0	0	66	107	148	45	0	76	0	
Stratum Dates:	6/17 - 6/23										
Sample Dates:	6/21 - 6/23										
Sample Size:	591										
Female	Percent of Sample	0.3	0.0	2.7	3.9	53.8	1.4	0.2	1.9	0.0	64.2
	Number in Catch	109	0	985	1,422	19,619	510	73	693	0	23,411
Male	Percent of Sample	0.0	0.2	1.5	3.4	29.0	0.2	0.0	1.5	0.0	35.8
	Number in Catch	0	73	547	1,240	10,575	73	0	547	0	13,055
Total	Percent of Sample	0.3	0.2	4.2	7.3	82.8	1.6	0.2	3.4	0.0	100.0
	Number in Catch	109	73	1,532	2,662	30,194	583	73	1,240	0	36,466
	Standard Error	82	67	301	391	567	188	67	272	0	
Stratum Dates:	6/24 - 6/30										
Sample Dates:	6/28 - 6/30										
Sample Size:	589										
Female	Percent of Sample	0.0	0.0	1.5	5.9	36.5	1.2	0.0	3.6	0.0	48.7
	Number in Catch	0	0	231	907	5,614	185	0	554	0	7,491
Male	Percent of Sample	0.0	0.0	1.4	8.3	36.5	1.7	0.0	3.2	0.2	51.3
	Number in Catch	0	0	215	1,276	5,613	261	0	492	31	7,888
Total	Percent of Sample	0.0	0.0	2.9	14.2	73.0	2.9	0.0	6.8	0.2	100.0
	Number in Catch	0	0	446	2,183	11,227	446	0	1,046	31	15,379
	Standard Error	0	0	106	221	282	106	0	160	28	

-Continued-

Appendix Table A7. Estimated age and sex composition of sockeye salmon in the commercial catches from the drift gillnet fishery in the Kayak Subdistrict (30) of the Bering River District (200), 1984[1] (continued).

		Brood Year and Age Group									
		1982	1981	1980		1979		1978			
		0.1	0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	Total
Stratum Dates:	7/01 - 7/07										
Sample Dates:	7/05 - 7/07 [2]										
Sample Size:	592										
Female	Percent of Sample	0.0	0.0	2.2	4.7	40.8	1.5	0.0	2.0	0.0	51.2
	Number in Catch	0	0	237	505	4,385	161	0	215	0	5,503
Male	Percent of Sample	0.0	0.2	0.7	10.2	32.5	2.2	0.0	3.0	0.0	48.8
	Number in Catch	0	22	75	1,097	3,494	237	0	323	0	5,248
Total	Percent of Sample	0.0	0.2	2.9	14.9	73.3	3.7	0.0	5.0	0.0	100.0
	Number in Catch	0	22	312	1,602	7,879	398	0	538	0	10,751
	Standard Error	0	20	74	157	196	83	0	96	0	
Strata Combined:	6/10 - 7/07										
Sample Dates:	6/14 - 7/07										
Sample Size:	2,363										
Female	Percent of Catch	0.1	0.0	2.1	4.2	46.3	1.2	0.1	2.2	0.0	56.3
	Number in Catch	109	0	1,568	3,145	34,345	879	73	1,600	0	41,719
Male	Percent of Catch	0.0	0.1	1.3	5.3	34.0	0.9	0.0	2.1	.0	43.7
	Number in Catch	0	95	952	3,924	25,227	652	0	1,524	31	32,405
Total	Percent of Catch	0.1	0.1	3.4	9.5	80.4	2.1	0.1	4.2	.0	100.0
	Number in Catch	109	95	2,520	7,069	59,572	1,531	73	3,124	31	74,124
	Standard Error	82	70	335	488	679	236	67	338	28	

[1] Based on preliminary catch summaries from fish tickets and age and sex composition data from a stratified systematic sampling program. There were sockeye salmon catches in Subdistricts 10 and 20 (17,660 fish) but they could not be sampled and are not apportioned by sex and age in this report.

[2] On 7 July the Kayak Island Subdistrict (30) was closed for the season on by emergency order.

Appendix Table A8. Estimated age and sex composition of coho salmon in the commercial catch in the Copper River District, 1984.

		Brood Year and Age Group							
		1982	1981		1980	1979			
		1.0	1.1	2.0	2.1	1.3	2.2	3.1	Total
Stratum Dates:	5/14 - 8/18								
Sample Dates:	8/06 - 8/09								
Sample Size:	427								
Female	Percent of Sample	0.0	13.8	0.0	14.0	0.0	0.0	0.7	28.5
	Number in Catch	0	14,125	0	14,330	0	0	716	29,171
Male	Percent of Sample	0.0	35.4	0.0	35.6	0.0	0.0	0.5	71.5
	Number in Catch	0	36,233	0	36,438	0	0	512	73,183
Total	Percent of Sample	0.0	49.2	0.0	49.6	0.0	0.0	1.2	100.0
	Number in Catch	0	50,358	0	50,768	0	0	1,228	102,354
	Standard Error	0	2,479	0	2,479	0	0	540	
Stratum Dates:	8/19 - 9/01								
Sample Dates:	8/20 - 8/23								
Sample Size:	433								
Female	Percent of Sample	0.0	17.1	0.0	28.6	0.0	0.2	0.5	46.4
	Number in Catch	0	25,927	0	43,363	0	303	758	70,351
Male	Percent of Sample	0.0	22.2	0.0	31.2	0.0	0.0	0.2	53.6
	Number in Catch	0	33,659	0	47,306	0	0	303	81,268
Total	Percent of Sample	0.0	39.3	0.0	59.8	0.0	0.2	0.7	100.0
	Number in Catch	0	59,586	0	90,669	0	303	1,061	151,619
	Standard Error	0	3,563	0	3,577	0	326	608	
Stratum Dates:	9/02 - 9/15								
Sample Dates:	9/03 - 9/06								
Sample Size:	437								
Female	Percent of Sample	0.0	11.0	0.0	34.3	0.0	0.0	0.2	45.5
	Number in Catch	0	12,244	0	38,178	0	0	223	50,645
Male	Percent of Sample	0.0	16.3	0.0	37.5	0.0	0.0	0.7	54.5
	Number in Catch	0	18,143	0	41,740	0	0	779	60,662
Total	Percent of Sample	0.0	27.3	0.0	71.8	0.0	0.0	0.9	100.0
	Number in Catch	0	30,387	0	79,918	0	0	1,002	111,307
	Standard Error	0	2,375	0	2,399	0	0	503	

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Appendix Table A8. Estimated age and sex composition of coho salmon in the commercial catch in the Copper River District, 1984 (continued).

		Brood Year and Age Group							
		1982	1981		1980	1979			
		1.0	1.1	2.0	2.1	1.3	2.2	3.1	Total
Stratum Dates:	9/16 - 9/28								
Sample Dates:	9/17 - 9/20								
Sample Size:	441								
Female	Percent of Sample	0.0	19.3	0.0	37.4	0.2	0.0	1.4	58.3
	Number in Catch	0	3,310	0	6,416	34	0	240	10,000
Male	Percent of Sample	0.2	12.9	0.2	27.7	0.0	0.0	0.7	41.7
	Number in Catch	34	2,213	34	4,751	0	0	120	7,152
Total	Percent of Sample	0.2	32.2	0.2	65.1	0.2	0.0	2.1	100.0
	Number in Catch	34	5,523	34	11,167	34	0	360	17,152
	Standard Error	37	382	37	390	37	0	117	
Strata Combined:	5/14 - 8/18								
Sample Dates:	8/06 - 8/09								
Sample Size:	1,738								
Female	Percent of Catch	0.0	14.5	0.0	26.7	.0	0.1	0.5	41.9
	Number in Catch	0	55,606	0	102,287	34	303	1,937	160,167
Male	Percent of Catch	.0	23.6	.0	34.1	0.0	0.0	0.4	58.1
	Number in Catch	34	90,248	34	130,235	0	0	1,714	222,265
Total	Percent of Catch	.0	38.1	.0	60.8	.0	0.1	1.0	100.0
	Number in Catch	34	145,854	34	232,522	34	303	3,651	382,432
	Standard Error	37	4,962	37	4,985	37	326	964	

[1] Catch data are from final fish ticket summaries and age and sex composition data are from a systematic stratified sampling program.

[2] Traditionally the coho season does not begin until early or mid-August, however, there is usually a small incidental catch of coho in the preceding sockeye salmon fishery. These incidental catches are included in the first stratum.

Appendix Table A9. Estimated age and sex composition of coho salmon in the commercial catch in the Bering River District, Controller Bay, 1984[1].

		Brood Year and Age Group					
		1981		1980		1979	
		1.1	2.0	1.2	2.1	3.1	Total
Stratum Dates:	7/01 - 9/08						
Sample Dates:	8/27 - 8/30						
Sample Size:	437						
Female	Percent of Sample	17.4	0.0	0.0	22.4	0.7	40.5
	Number in Catch	26,560	0	0	34,192	1,069	61,821
Male	Percent of Sample	27.2	0.2	0.2	31.2	0.7	59.5
	Number in Catch	41,519	305	305	47,625	1,069	90,823
Total	Percent of Sample	44.6	0.2	0.2	53.6	1.4	100.0
	Number in Catch	68,079	305	305	81,817	2,138	152,644
	Standard Error	3,634	327	327	3,646	859	
Stratum Dates:	9/09 - 9/28						
Sample Dates:	9/10 - 9/13						
Sample Size:	431						
Female	Percent of Sample	15.8	0.0	0.0	26.7	0.0	42.5
	Number in Catch	9,351	0	0	15,803	0	25,154
Male	Percent of Sample	23.4	0.0	0.0	33.6	0.5	57.5
	Number in Catch	13,850	0	0	19,886	296	34,032
Total	Percent of Sample	39.2	0.0	0.0	60.3	0.5	100.0
	Number in Catch	23,201	0	0	35,689	296	59,186
	Standard Error	1,393	0	0	1,396	201	
Strata Combined:	7/01 - 9/28						
Sample Dates:	8/27 - 9/13						
Sample Size:	868						
Female	Percent of Catch	17.0	0.0	0.0	23.6	0.5	41.1
	Number in Catch	35,911	0	0	49,995	1,069	86,975
Male	Percent of Catch	26.1	0.1	0.1	31.9	0.6	58.9
	Number in Catch	55,369	305	305	67,511	1,365	124,855
Total	Percent of Sample	43.1	0.1	0.1	55.5	1.1	100.0
	Number in Catch	91,280	305	305	117,506	2,434	211,830
	Standard Error	3,892	327	327	3,904	882	

[1] Based on preliminary catch summaries from fish tickets and age and sex composition data from a systematic stratified sampling program. The incidental catch of coho salmon in the earlier sockeye salmon fishery in Subdistricts 10 and 20 are included in the first stratum. The small coho salmon catch in Subdistrict 30 was probably composed of fish which did not originate in the Copper/Bering River area and they are not included.

APPENDIX B

Catches from Subsistence Fishery, Chitina

Appendix Table B1. Catches of sockeye, chinook, and coho salmon in the subsistence and personal use fisheries on the Upper Copper River, 1984[1].

	Personal Use Catch						Subsistence Catch						Combined Catch					
	Sockeye		Chinook		Coho		Sockeye		Chinook		Coho		Sockeye		Chinook		Coho	
Date	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.
6/ 1	3,824	3,824	118	118	2	2	103	103	2	2	0	0	3,127	3,127	120	120	2	2
6/ 2	5,466	8,490	202	320	0	2	368	471	7	9	0	0	5,834	8,961	209	329	0	2
6/ 3	2,319	10,809	88	408	0	2	121	592	6	15	0	0	2,440	11,401	94	423	0	2
6/ 4	15	10,824	1	409	0	2	334	926	18	25	0	0	349	11,750	11	434	0	2
6/ 5	38	10,862	0	409	0	2	268	1,194	8	33	0	0	306	12,056	8	442	0	2
6/ 6	160	11,022	10	419	0	2	291	1,485	4	37	0	0	451	12,507	14	456	0	2
6/ 7	21	11,043	0	419	0	2	335	1,820	4	41	0	0	356	12,863	4	460	0	2
6/ 8	730	11,773	30	449	0	2	62	1,882	7	48	0	0	792	13,655	37	497	0	2
6/ 9	5,767	17,540	239	688	0	2	299	2,181	4	52	0	0	6,066	19,721	243	740	0	2
6/10	2,136	19,676	89	777	0	2	626	2,807	23	75	0	0	2,762	22,483	112	852	0	2
6/11	77	19,753	2	779	0	2	275	3,082	7	82	0	0	352	22,835	9	861	0	2
6/12	2	19,755	0	779	0	2	496	3,578	8	90	0	0	498	23,333	8	869	0	2
6/13	0	19,755	0	779	0	2	238	3,816	6	96	0	0	238	23,571	6	875	0	2
6/14	15	19,770	0	779	0	2	268	4,084	8	104	0	0	283	23,854	8	883	0	2
6/15	1,108	20,878	61	840	0	2	1,125	5,209	34	138	0	0	2,233	26,087	95	978	0	2
6/16	4,266	25,144	123	963	0	2	462	5,671	12	150	0	0	4,728	30,815	135	1,113	0	2
6/17	761	25,905	31	994	0	2	451	6,122	11	161	0	0	1,212	32,027	42	1,155	0	2
6/18	9	25,914	2	996	0	2	452	6,574	3	164	0	0	461	32,488	5	1,160	0	2
6/19	13	25,927	0	996	0	2	308	6,882	4	168	0	0	321	32,809	4	1,164	0	2
6/20	380	26,307	35	1,031	0	2	1,122	8,004	27	195	0	0	1,502	34,311	62	1,226	0	2
6/21	598	26,905	49	1,080	0	2	543	8,547	7	202	0	0	1,141	35,452	56	1,282	0	2
6/22	863	27,768	44	1,124	0	2	453	9,000	4	206	0	0	1,316	36,768	48	1,330	0	2
6/23	855	28,623	55	1,179	0	2	404	9,404	1	207	0	0	1,259	38,027	56	1,386	0	2
6/24	155	28,778	7	1,186	0	2	246	9,650	3	210	0	0	401	38,428	10	1,396	0	2
6/25	0	28,778	0	1,186	0	2	288	9,938	5	215	0	0	288	38,716	5	1,401	0	2
6/26	127	28,905	5	1,191	0	2	490	10,428	2	217	0	0	617	39,333	7	1,408	0	2
6/27	113	29,018	1	1,192	0	2	382	10,810	6	223	0	0	495	39,828	7	1,415	0	2
6/28	528	29,546	22	1,214	0	2	215	11,025	3	226	0	0	743	40,571	25	1,440	0	2
6/29	965	30,511	47	1,261	0	2	475	11,500	8	234	0	0	1,440	42,011	55	1,495	0	2
6/30	1,711	32,222	66	1,327	0	2	783	12,283	22	256	0	0	2,494	44,505	88	1,583	0	2

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Appendix Table B1. Catches of sockeye, chinook, and coho salmon in the subsistence and personal use fisheries on the Upper Copper River, 1984[1] (continued).

	Personal Use Catch						Subsistence Catch						Combined Catch					
	Sockeye		Chinook		Coho		Sockeye		Chinook		Coho		Sockeye		Chinook		Coho	
Date	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.
7/ 1	342	32,564	13	1,340	0	2	242	12,525	4	260	0	0	584	45,089	17	1,600	0	2
7/ 2	107	32,671	2	1,342	0	2	129	12,654	1	261	0	0	236	45,325	3	1,603	0	2
7/ 3	315	32,986	11	1,353	0	2	100	12,754	5	266	0	0	415	45,740	16	1,619	0	2
7/ 4	566	33,552	17	1,370	0	2	524	13,278	3	269	0	0	1,090	46,830	20	1,639	0	2
7/ 5	593	34,145	18	1,388	0	2	155	13,433	0	269	0	0	748	47,578	18	1,657	0	2
7/ 6	834	34,979	14	1,402	0	2	212	13,645	3	272	0	0	1,046	48,624	17	1,674	0	2
7/ 7	1,284	36,263	21	1,423	0	2	365	14,010	4	276	0	0	1,649	50,273	25	1,699	0	2
7/ 8	571	36,834	12	1,435	0	2	493	14,503	2	278	0	0	1,064	51,337	14	1,713	0	2
7/ 9	91	36,925	6	1,441	0	2	184	14,687	1	279	0	0	275	51,612	7	1,720	0	2
7/10	131	37,056	1	1,442	0	2	431	15,118	16	295	0	0	562	52,174	17	1,737	0	2
7/11	367	37,423	9	1,451	0	2	317	15,435	5	300	0	0	684	52,858	14	1,751	0	2
7/12	286	37,709	2	1,453	0	2	245	15,680	2	302	0	0	531	53,389	4	1,755	0	2
7/13	895	38,604	26	1,479	0	2	139	15,819	1	303	0	0	1,034	54,423	27	1,782	0	2
7/14	939	39,543	23	1,502	0	2	252	16,071	4	307	0	0	1,191	55,614	27	1,809	0	2
7/15	552	40,095	18	1,520	0	2	465	16,536	10	317	0	0	1,017	56,631	28	1,837	0	2
7/16	262	40,357	4	1,524	0	2	177	16,713	5	322	0	0	439	57,070	9	1,846	0	2
7/17	191	40,548	7	1,531	0	2	144	16,857	3	325	0	0	335	57,405	10	1,856	0	2
7/18	84	40,632	4	1,535	0	2	187	17,044	4	329	0	0	271	57,676	8	1,864	0	2
7/19	142	40,774	4	1,539	0	2	37	17,081	1	330	0	0	179	57,855	5	1,869	0	2
7/20	377	41,151	10	1,549	0	2	175	17,256	6	336	0	0	552	58,407	16	1,885	0	2
7/21	839	41,990	6	1,555	0	2	278	17,534	4	340	0	0	1,117	59,524	10	1,895	0	2
7/22	190	42,180	7	1,562	0	2	228	17,762	6	346	0	0	418	59,942	13	1,908	0	2
7/23	42	42,222	1	1,563	0	2	184	17,946	2	348	0	0	226	60,168	3	1,911	0	2
7/24	178	42,400	3	1,566	0	2	169	18,115	3	351	0	0	347	60,515	6	1,917	0	2
7/25	99	42,499	0	1,566	0	2	82	18,197	0	351	0	0	181	60,696	0	1,917	0	2
7/26	118	42,617	0	1,566	0	2	41	18,238	4	355	0	0	159	60,855	4	1,921	0	2
7/27	68	42,685	1	1,567	0	2	186	18,424	3	358	0	0	254	61,109	4	1,925	0	2
7/28	36	42,721	1	1,568	0	2	40	18,464	0	358	0	0	76	61,185	1	1,926	0	2
7/29	57	42,778	1	1,569	0	2	26	18,490	0	358	0	0	83	61,268	1	1,927	0	2
7/30	50	42,828	2	1,571	0	2	102	18,592	3	361	0	0	152	61,420	5	1,932	0	2
7/31	25	42,853	0	1,571	0	2	64	18,656	3	364	0	0	89	61,509	3	1,935	0	2

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Appendix B1. Catches of sockeye, chinook, and coho salmon in the subsistence and personal use fisheries on the Upper Copper River, 1984[1] (continued).

	Personal Use Catch						Subsistence Catch						Combined Catch					
	Sockeye		Chinook		Coho		Sockeye		Chinook		Coho		Sockeye		Chinook		Coho	
Date	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.
8/ 1	43	42,896	1	1,572	0	2	76	18,732	5	369	0	0	119	61,628	6	1,941	0	2
8/ 2	108	43,004	0	1,572	1	3	58	18,790	0	369	0	0	166	61,794	0	1,941	1	3
8/ 3	33	43,037	1	1,573	0	3	92	18,882	0	369	0	0	125	61,919	1	1,942	0	3
8/ 4	47	43,084	0	1,573	2	5	54	18,936	0	369	0	0	101	62,020	0	1,942	2	5
8/ 5	75	43,159	0	1,573	0	5	20	18,956	0	369	0	0	95	62,115	0	1,942	0	5
8/ 6	11	43,170	0	1,573	0	5	35	18,991	0	369	0	0	46	62,161	0	1,942	0	5
8/ 7	9	43,179	0	1,573	0	5	55	19,046	0	369	0	0	64	62,225	0	1,942	0	5
8/ 8	7	43,186	0	1,573	4	9	65	19,111	0	369	0	0	72	62,297	0	1,942	4	9
8/ 9	40	43,226	0	1,573	0	9	27	19,138	0	369	0	0	67	62,364	0	1,942	0	9
8/10	0	43,226	0	1,573	0	9	98	19,236	3	372	0	0	98	62,462	3	1,945	0	9
8/11	6	43,232	1	1,574	0	9	137	19,373	8	380	0	0	143	62,605	9	1,954	0	9
8/12	14	43,246	2	1,576	1	10	54	19,427	0	380	0	0	68	62,673	2	1,956	1	10
8/13	81	43,327	14	1,590	3	13	14	19,441	0	380	0	0	95	62,768	14	1,970	3	13
8/14	69	43,396	0	1,590	2	15	33	19,474	6	386	0	0	102	62,870	6	1,976	2	15
8/15	56	43,452	0	1,590	0	15	17	19,491	0	386	0	0	73	62,943	0	1,976	0	15
8/16	2	43,454	0	1,590	0	15	31	19,522	0	386	0	0	33	62,976	0	1,976	0	15
8/17	45	43,499	0	1,590	8	23	81	19,603	6	392	14	14	126	63,102	6	1,982	22	37
8/18	68	43,567	0	1,590	6	29	84	19,687	3	395	15	29	152	63,254	3	1,985	21	58
8/19	45	43,612	0	1,590	4	33	11	19,698	0	395	0	29	56	63,310	0	1,985	4	62
8/20	5	43,617	0	1,590	0	33	2	19,700	0	395	1	30	7	63,317	0	1,985	1	63
8/21	0	43,617	0	1,590	0	33	20	19,720	0	395	3	33	20	63,337	0	1,985	3	66
8/22	26	43,643	0	1,590	2	35	32	19,752	0	395	0	33	58	63,395	0	1,985	2	68
8/23	20	43,663	1	1,591	1	36	17	19,769	0	395	0	33	37	63,432	1	1,986	1	69
8/24	66	43,729	0	1,591	6	42	21	19,790	0	395	0	33	87	63,519	0	1,986	6	75
8/25	21	43,750	0	1,591	2	44	47	19,837	1	396	0	33	68	63,587	1	1,987	2	77
8/26	0	43,750	0	1,591	0	44	12	19,849	3	399	0	33	12	63,599	3	1,990	0	77
8/27	0	43,750	0	1,591	0	44	0	19,849	0	399	0	33	0	63,599	0	1,990	0	77
8/28	2	43,752	0	1,591	0	44	58	19,907	0	399	3	36	60	63,659	0	1,990	3	80
8/29	5	43,757	0	1,591	2	46	75	19,982	0	399	9	45	80	63,739	0	1,990	11	91
8/30	0	43,765	0	1,591	14	60	35	20,017	1	400	55	100	43	63,782	1	1,991	69	160
8/31	27	43,792	0	1,591	81	141	5	20,022	0	400	5	105	32	63,814	0	1,991	86	246

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Appendix Table B1. Catches of sockeye, chinook, and coho salmon in the subsistence and personal use fisheries on the Upper Copper River, 1984[1] (continued).

	Personal Use Catch						Subsistence Catch						Combined Catch					
	Sockeye		Chinook		Coho		Sockeye		Chinook		Coho		Sockeye		Chinook		Coho	
Date	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.	Daily	Cumm.
9/ 1	45	43,837	0	1,591	95	236	0	20,022	0	400	0	105	45	63,859	0	1,991	95	341
9/ 2	25	43,862	0	1,591	75	311	0	20,022	0	400	0	105	25	63,884	0	1,991	75	416
9/ 3	16	43,878	0	1,591	74	385	0	20,022	0	400	0	105	16	63,900	0	1,991	74	490
9/ 4	0	43,878	0	1,591	0	385	0	20,022	0	400	7	112	0	63,900	0	1,991	7	497
9/ 5	0	43,878	0	1,591	0	385	0	20,022	0	400	2	114	0	63,900	0	1,991	2	499
9/ 6	0	43,878	0	1,591	16	401	0	20,022	0	400	0	114	0	63,900	0	1,991	16	515
9/ 7	2	43,880	0	1,591	45	446	0	20,022	0	400	0	114	2	63,902	0	1,991	45	560
9/ 8	31	43,911	0	1,591	44	490	0	20,022	0	400	0	114	31	63,933	0	1,991	44	604
9/ 9	4	43,915	0	1,591	21	511	16	20,038	0	400	54	168	20	63,953	0	1,991	75	679
9/10	12	43,927	0	1,591	12	523	2	20,040	0	400	11	179	14	63,967	0	1,991	23	702
9/11	22	43,949	0	1,591	15	538	3	20,043	0	400	1	180	25	63,992	0	1,991	16	718
9/12	0	43,949	0	1,591	1	539	9	20,052	0	400	25	205	9	64,001	0	1,991	26	744
9/13	0	43,949	0	1,591	0	539	0	20,052	0	400	29	234	0	64,001	0	1,991	29	773
9/14	0	43,949	0	1,591	0	539	0	20,052	0	400	0	234	0	64,001	0	1,991	0	773
9/15	0	43,949	0	1,591	0	539	0	20,052	0	400	0	234	0	64,001	0	1,991	0	773
9/16	0	43,949	0	1,591	0	539	0	20,052	0	400	0	234	0	64,001	0	1,991	0	773
9/17	1	43,950	0	1,591	0	539	0	20,052	0	400	0	234	1	64,002	0	1,991	0	773
9/18	0	43,950	0	1,591	0	539	18	20,070	0	400	0	234	18	64,020	0	1,991	0	773
9/19	2	43,952	0	1,591	0	539	0	20,070	0	400	0	234	2	64,022	0	1,991	0	773
9/20	0	43,952	0	1,591	0	539	0	20,070	0	400	0	234	0	64,022	0	1,991	0	773
9/21	0	43,952	0	1,591	0	539	118	20,188	0	400	0	234	118	64,140	0	1,991	0	773
9/22	0	43,952	0	1,591	2	541	0	20,188	0	400	0	234	0	64,140	0	1,991	2	775
9/23	3	43,955	0	1,591	0	541	0	20,188	0	400	3	237	3	64,143	0	1,991	3	778
9/24	0	43,955	0	1,591	0	541	1	20,189	0	400	0	237	1	64,144	0	1,991	0	778
9/25	0	43,955	0	1,591	0	541	0	20,189	0	400	0	237	0	64,144	0	1,991	0	778
9/26	0	43,955	0	1,591	0	541	0	20,189	0	400	0	237	0	64,144	0	1,991	0	778
9/27	0	43,955	0	1,591	0	541	0	20,189	0	400	0	237	0	64,144	0	1,991	0	778
9/28	0	43,955	0	1,591	0	541	0	20,189	0	400	0	237	0	64,144	0	1,991	0	778
9/29	0	43,955	0	1,591	0	541	0	20,189	0	400	0	237	0	64,144	0	1,991	0	778
9/30	0	43,955	0	1,591	0	541	0	20,189	0	400	0	237	0	64,144	0	1,991	0	778
Total	43,955		1,591		541		20,189		400		237		64,144		1,991		778	

[1] Preliminary catch data from approximately 59% of the subsistence fishery permits which were issued and approximately 93% of the personal use fishery permits which were issued.

Appendix Table B2. Estimated age and sex composition of the sockeye salmon catches in the subsistence and personal use fisheries at Chitina, 1984[1].

		Brood Year and Age Group							
		1981	1980		1979		1978		
		1.1	0.3	1.2	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/01 - 6/05								
Sample Dates:	6/01 - 6/03								
Sample Size :	523								
Female	Percent of Sample	0.0	0.0	4.0	36.5	0.8	0.2	5.5	47.0
	Number in Catch	0	0	482	4,401	96	24	663	5,666
Male	Percent of Sample	0.0	0.0	2.3	43.8	0.8	0.0	6.1	53.0
	Number in Catch	0	0	277	5,281	96	0	736	6,390
Total	Percent of Sample	0.0	0.0	6.3	80.3	1.6	0.2	11.6	100.0
	Number in Catch	0	0	759	9,682	192	24	1,399	12,056
	Standard Error	0	0	190	312	98	35	251	
Stratum Dates:	6/06 - 6/12								
Sample Dates:	6/08 - 6/10								
Sample Size :	372								
Female	Percent of Sample	0.0	0.0	5.7	35.3	2.2	0.0	6.5	49.7
	Number in Catch	0	0	643	3,981	248	0	733	5,605
Male	Percent of Sample	0.0	0.0	2.4	38.3	0.5	0.5	8.6	50.3
	Number in Catch	0	0	271	4,319	56	56	970	5,672
Total	Percent of Sample	0.0	0.0	8.1	73.6	2.7	0.5	15.1	100.0
	Number in Catch	0	0	914	8,300	304	56	1,703	11,277
	Standard Error	0	0	214	346	127	55	281	
Stratum Dates:	6/13 - 6/18								
Sample Dates:	6/15 - 6/17								
Sample Size :	265								
Female	Percent of Sample	0.4	0.0	3.4	47.1	1.1	0.0	7.5	59.5
	Number in Catch	37	0	311	4,312	101	0	687	5,448
Male	Percent of Sample	0.0	0.0	2.3	34.0	0.0	0.0	4.2	40.5
	Number in Catch	0	0	211	3,112	0	0	384	3,707
Total	Percent of Sample	0.4	0.0	5.7	81.1	1.1	0.0	11.7	100.0
	Number in Catch	37	0	522	7,424	101	0	1,071	9,155
	Standard Error	49	0	182	307	82	0	252	

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Appendix Table B2. Estimated age and sex composition of the sockeye salmon catches in the subsistence and personal use fisheries at Chitina, 1984[1] (continued).

		Brood Year and Age Group							
		1981	1980		1979		1978		
		1.1	0.3	1.2	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/19 - 6/24								
Sample Dates:	6/20 - 6/24								
Sample Size :	284								
Female	Percent of Sample	0.0	0.0	2.1	58.0	1.1	0.0	3.2	64.4
	Number in Catch	0	0	125	3,446	65	0	190	3,826
Male	Percent of Sample	0.0	0.0	1.1	32.7	0.0	0.4	1.4	35.6
	Number in Catch	0	0	65	1,942	0	24	83	2,114
Total	Percent of Sample	0.0	0.0	3.2	90.7	1.1	0.4	4.6	100.0
	Number in Catch	0	0	190	5,388	65	24	273	5,940
	Standard Error	0	0	138	228	82	49	164	
Stratum Dates:	6/25 - 7/01								
Sample Dates:	6/26 - 7/01								
Sample Size :	511								
Female	Percent of Sample	0.0	0.0	5.6	49.1	0.8	0.0	2.5	58.0
	Number in Catch	0	0	373	3,271	53	0	166	3,863
Male	Percent of Sample	0.0	0.0	2.0	38.2	0.0	0.0	1.8	42.0
	Number in Catch	0	0	133	2,545	0	0	120	2,798
Total	Percent of Sample	0.0	0.0	7.6	87.3	0.8	0.0	4.3	100.0
	Number in Catch	0	0	506	5,816	53	0	286	6,661
	Standard Error	0	0	208	261	70	0	159	
Stratum Dates:	7/01 - 9/30								
Sample Dates:	7/02 - 7/25								
Sample Size :	592								
Female	Percent of Sample	0.0	0.2	4.1	41.2	0.7	0.0	1.3	47.5
	Number in Catch	0	38	781	7,851	133	0	248	9,051
Male	Percent of Sample	0.0	0.0	2.5	47.6	0.0	0.0	2.4	52.5
	Number in Catch	0	0	476	9,070	0	0	457	10,003
Total	Percent of Sample	0.0	0.2	6.6	88.8	0.7	0.0	3.7	100.0
	Number in Catch	0	38	1,258	16,921	133	0	705	19,055
	Standard Error	0	35	195	247	65	0	148	

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Appendix Table B2. Estimated age and sex composition of the sockeye salmon catches in the subsistence and personal use fisheries at Chitina, 1984[1] (continued).

		Brood Year and Age Group						
	1981	1980		1979		1978		
	1.1	0.3	1.2	1.3	2.2	1.4	2.3	Total
Combined Strata: 6/01 - 9/30								
Sample Dates: 6/01 - 7/25								
Sample Size : 2,547								
Percent of Catch	0.1	0.1	4.2	42.5	1.1	.0	4.2	52.2
Number in Catch	37	38	2,715	27,262	696	24	2,687	33,459
Percent of Catch	0.0	0.0	2.2	41.0	0.2	0.1	4.3	47.8
Number in Catch	0	0	1,433	26,269	152	80	2,750	30,684
Percent of Catch	0.1	0.1	6.5	83.5	1.3	0.2	8.5	100.0
Number in Catch	37	38	4,149	53,531	848	104	5,437	64,144
	49	35	464	701	220	82	529	

[1] Preliminary catch data are from approximately 59% of the issued subsistence permits and approximately 93% of the issued personal use permits. The age composition data are from a stratified systematic catch sampling program in both fisheries at Chitina and are applied to the combined catches of both fisheries. The catch samples from Chitina are from both gear types and are probably representative of most of the Upriver personal use dipnet catch but may not be representative of the subsistence catch. The personal use fishery on the Upper Copper River is restricted to Chitina but the subsistence catch is from fishwheels located at various sites from Chitina to Slana and, in 1984 approximately 85% of the Upriver subsistence catch was from sites upstream of Chitina (Roberson, Alaska Department of Fish and Game, Glennallen, Alaska, personal communication). These sites are closer to some Upriver spawning areas and upstream of others; they may fish on a small subset stock in the total Upriver escapement and; the age composition of the catch from these sites may be different than in the composite sample from Chitina.

APPENDIX C

Escapements to Copper River

Appendix Table C1. Daily sonar counts of salmon escapement past the Miles Lake site on the Copper River, 1984[1].

Date	North Bank	South Bank	Daily Total	Cumulative Total
5/19	389[2]	336	725	725
5/20	954[2]	970	1,924	2,649
5/21	778[2]	1,208	1,986	4,635
5/22	1,807[2]	3,317	5,124	9,759
5/23	1,732[2]	3,310	5,042	14,801
5/24	1,454[2]	3,032	4,486	19,287
5/25	987[2]	2,133	3,120	22,407
5/26	1,381[2]	3,264	4,645	27,052
5/27	1,696[2]	4,140	5,836	32,888
5/28	1,575[2]	3,403	4,978	37,866
5/29	2,348[2]	4,778	7,126	44,992
5/30	1,716[2]	3,235	4,951	49,943
5/31	2,290	1,988	4,278	54,221
6/ 1	2,840	5,696	8,536	62,757
6/ 2	2,124	6,359	8,483	71,240
6/ 3	4,317	5,413	9,730	80,970
6/ 4	4,351	8,145	12,496	93,466
6/ 5	5,659	11,069	16,728	110,194
6/ 6	5,555	12,542	18,097	128,291
6/ 7	3,843[2]	14,672	18,515	146,806
6/ 8	5,444[2]	21,175	26,619	173,425
6/ 9	4,188[2]	16,288	20,476	193,901
6/10	3,785[2]	15,490	19,275	213,176
6/11	1,979	15,258	17,237	230,413
6/12	1,480	20,226	21,706	252,119
6/13	739	11,333	12,072	264,191
6/14	837[2]	5,144	5,981	270,172
6/15	161	10,130	10,291	280,463
6/16	1,848[2]	12,082	13,930	294,393
6/17	2,917[2]	16,892	19,809	314,202
6/18	1,797[2]	11,053	12,850	327,052
6/19	430	7,044	7,474	334,526
6/20	264	8,994	9,258	343,784
6/21	612	6,547	7,159	350,943
6/22	395[2]	5,127	5,522	356,465
6/23	318[2]	5,595	5,913	362,378
6/24	185[2]	6,556	6,741	369,119
6/25	62[2]	6,441	6,503	375,622
6/26	94[3]	4,291	4,385	380,007
6/27	103[3]	7,121	7,224	387,231
6/28	172[2]	6,556	6,728	393,959
6/29	188[2]	4,265	4,453	398,412
6/30	397[2]	6,052	6,449	404,861
7/ 1	474[2]	7,752	8,226	413,087

-Continued-

Appendix Table C1. Daily sonar counts of salmon escapement past the Miles Lake site on the Copper River, 1984[1] (continued).

Date	North Bank	South Bank	Daily Total	Cumulative Total
7/ 2	452[2]	7,102	7,554	420,641
7/ 3	511[2]	8,070	8,581	429,222
7/ 4	363[2]	6,152	6,515	435,737
7/ 5	423[2]	6,239	6,662	442,399
7/ 6	261[2]	5,188	5,449	447,848
7/ 7	64	3,976	4,040	451,888
7/ 8	35	3,871	3,906	455,794
7/ 9	48	3,162	3,210	459,004
7/10	22[2]	2,905	2,927	461,931
7/11	66[2]	3,542	3,608	465,539
7/12	125[2]	4,155	4,280	469,819
7/13	176[2]	4,406	4,582	474,401
7/14	1,252	5,321	6,573	480,974
7/15	734	4,787	5,521	486,495
7/16	576	6,179	6,755	493,250
7/17	128	4,827	4,955	498,205
7/18	141	4,595	4,736	502,941
7/19	65	3,075	3,140	506,081
7/20	144	3,245	3,389	509,470
7/21	57	3,147	3,204	512,674
7/22	64	3,716	3,780	516,454
7/23	113	3,092	3,205	519,659
7/24	50	2,148	2,198	521,857
7/25	93	1,844	1,937	523,794
7/26	162	1,525	1,687	525,481
7/27	83	1,308	1,391	526,872
7/28	28	976	1,004	527,876
7/29	21	870	891	528,767
7/30	33	905	938	529,705
7/31	102	991	1,093	530,798
8/ 1	84	963	1,047	531,845
8/ 2	107	981	1,088	532,933
8/ 3	83	1,130	1,213	534,146
8/ 4	85	1,033	1,118	535,264
8/ 5	51	958	1,009	536,273
8/ 6	25	508	533	536,806
Total	83,492	453,314	536,806	

[1] The escapement estimate at the Miles Lake sonar project is for all salmon species. Roberson (Alaska Department of Fish and Game, Glennallen, Alaska, personal communication) feels that chinook salmon probably account for about 5% of the estimate and that coho salmon are a much smaller portion than that. Because these minor contributions are not precisely known and sockeye salmon are overwhelmingly predominant, the estimate for all species has historically been reported as the estimate for sockeye salmon and that convention is followed here.

[2] The North Bank counter was inoperable for part or all of these days and the estimates are from a regression of North Bank counts and observed South Bank counts.

[3] The North Bank counter was inoperable for part or all of these days and the estimates are from expanded test net catch per unit of effort data.

Appendix Table C2. Sockeye salmon escapement through the Long Lake weir, 1984[1].

Date	Escapement Daily	Escapement Cumulative	Date	Escapement Daily	Escapement Cumulative
7/23	0	0	8/24	995	4,205
7/24	0	0	8/25	809	5,014
7/25	0	0	8/26	155	5,169
7/26	456	456	8/27	113	5,282
7/27	108	564	8/28	51	5,333
7/28	321	885	8/29	197	5,530
7/29	7	892	8/30	128	5,658
7/30	255	1,147	8/31	1,378	7,036
7/31	104	1,251	9/ 1	760	7,796
8/ 1	16	1,267	9/ 2	1,175	8,971
8/ 2	0	1,267	9/ 3	210	9,181
8/ 3	0	1,267	9/ 4	0	9,181
8/ 4	25	1,292	9/ 5	302	9,483
8/ 5	92	1,384	9/ 6	159	9,642
8/ 6	25	1,409	9/ 7	104	9,746
8/ 7	265	1,674	9/ 8	261	10,007
8/ 8	1	1,675	9/ 9	71	10,078
8/ 9	0	1,675	9/10	31	10,109
8/10	0	1,675	9/11	0	10,109
8/11	0	1,675	9/12	176	10,285
8/12	10	1,685	9/13	225	10,510
8/13	0	1,685	9/14	86	10,596
8/14	33	1,718	9/15	6	10,602
8/15	0	1,718	9/16	3	10,605
8/16	63	1,781	9/17	0	10,605
8/17	0	1,781	9/18	32	10,637
8/18	205	1,986	9/19	0	10,637
8/19	129	2,115	9/20	0	10,637
8/20	234	2,349	9/21	0	10,637
8/21	521	2,870	9/22	0	10,637
8/22	4	2,874	9/23[2]	0	10,637
8/23	336	3,210	Total		10,637

[1] Data collected by the Collins family at Long Lake.

[2] Weir closed.

Appendix Table C3. Copper River and Bering River sockeye, chinook, and coho salmon escapement[1], 1984.

Location	Survey Conditions[2]	Date[3]	Method[4]	Sockeye	Chinook	Coho
Bremner River						
Peninsula Lake		9/12	A	50		
Little Bremner River		9/12	A	10		
Salmon Creek		7/31	A	1,350		
Steam Boat Lake		7/31	A	1,100		
Price Creek		7/31	A	125		
Unnamed Creek #1		7/31	A	20		
Unnamed Creek #2		7/31	A	0		
Tasnuna River		7/31	A	30		
Whiting Falls Creek		7/31	A	35		
Unnamed Tributary		9/12	A	15		
Tiekel River		7/31	A	40		
Swan Lake		7/31	A	400		
Lake #2		7/31	A	100		
Tonsina River						
Lower Tonsina Creek	*	8/29	A	600		
Little Tonsina River		7/30 & 9/12	A		568	50
Fourth of July Creek		7/30 & 9/27	A		10	20
Tonsina Lake		10/17	A	975		
Bernard Creek		7/30	A		39	
Grayling Creek		7/30	A		279	
Dust Creek		7/30	A		52	
Unnamed Creek		N.S.				
Klutina River	*	9/27	A	7,600		
Manker Creek		7/30	A		264	
Mahlo Creek		7/30	A	4,300	12	
Unnamed Lake		7/30	A	8,900		
1884 Lake		9/27	A	23		
Hallet Slough	*	8/29	A	400		
Curtis Creek		N.S.				
St. Anne Creek		7/29	A	10,300	89	
Tazlina River						
Upper Mendeltna Creek		6/25	A	1,825		
Mendeltna Creek		8/03	A	1,900		
Kiana Creek		7/30	A	255	382	
Tazlina Lake		8/09	A	888		

-Continued-

Appendix Table C3. Copper River and Bering River sockeye, chinook, and coho salmon escapement[1], 1984 (continued).

Location	Survey Conditions[2]	Date[3]	Method[4]	Sockeye	Chinook	Coho
Gulkana River						
Mouth to West Fork		8/05	A		255	
West Fork		7/23	A	2,250	114	
Moose Creek		7/20	A		17	
Keg Creek		7/20	A	2,505		
Victor Creek		7/23	A	5,800		
West Fork to Middle Fork		8/03	A		1,490	
Middle Fork		7/23	A	300	168	
Dickey Lake		8/03	A	105		
Swede Lake		8/08	A	2,400		
Hungry Hollow Creek		7/23	A		63	
East Fork						
East Fork to Paxson Lake	8/03 &	8/08	A	4,100	82	
Paxson Lake		8/03	A	0		
Paxson Lake Inlet		8/03	A	6,700		
Inlet to Mud Creek		8/03	A	15,700		
Mud Creek and Lake		8/03	A	270		
Mud Creek to Summit Lake	8/03 &	10/03	A	9,600[5]		
Fish Lake		7/23	A	10,950		
Summit Lake		10/03	A	15		
Gunn Creek		10/03	A	950[6]		
Gunn Lake Creek		8/03	A	220		
Gakona River						
Spring Creek		7/24	A		66	
Alder Creek		7/23	A	15		
Boulder Creek tributary		7/24	A		8	
Sinona Creek		7/24	A		1	
Unnamed Creek		7/24	A		2	
Chistochina River						
East Fork		7/23	A		577	
Eagle Creek		7/23	A	18	50	
Mankomen Lake		7/23	A	0		
Slana River	*					
Mentasta Lake		8/08	A	4,850		
Fish Creek		7/23	A	900		
Bad Crossing #1		7/20	A	110		
Bad Crossing #2		7/23	A	650		
Granite Creek		7/20	A	0		

-Continued-

Appendix Table C3. Copper River and Bering River sockeye, chinook, and coho salmon escapement[1], 1984 (continued).

Location	Survey Conditions[2]	Date[3]	Method[4]	Sockeye	Chinook	Coho
Bone Creek		7/20	A		40	
Slana Sloughs		7/20	A	0		
Suslota Lake		8/28	A	700		
Indian River		7/23	A		17	
Ahtell Creek		7/23	A		2	
Tanada Creek						
Tanada Lake		10/03	A	9,100		
Tanada Lake Outlet		10/03	A	7,000		
Copper Creek						
Copper Lake		10/03	A	345		
Tebay River		8/29	A	10		
Chokosna River		N.S.				
Lakina River						
Long Lake		9/27	A	1,360		
Nizina River						
Spruce Point Creek		9/12 & 9/27	A	25		305
Trumpeter Lake		9/27	A			35
Lake Creek		9/12 & 9/27	A	20		2
Clear Creek (Chitina River)		9/12 & 9/27	A	1		102
Tana River	*					
Tana River Clear Channels		7/31 & 9/27	A	1,740	25	15
Tana Lake Inlet		7/31 & 9/27	A	1,000		30
West Fork Clear Channels		7/31	A	925		
Chakina River		N.S.				
Monahan Creek		N.S.				

[1] Escapement refers to peak survey for area, or units, when areas covering physically or in timing.

[2] * denotes glacial.

[3] Date refers to peak sockeye salmon escapements; it may or may not apply to peak chinook or coho salmon counts.

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Appendix Table C3. Copper River and Bering River sockeye, chinook, and coho salmon escapement[1], 1984 (continued).

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[4] A = air
W = weir
G = ground

[5] Counts influenced by returns to Gulkana Hatchery.

[6] Returns from Gulkana Hatchery releases.

Appendix Table C4. Estimated sex and age composition of the sockeye salmon escapement to the Upper Copper River at the Miles Lake Sonar Project, 1984[1].

		Brood Year and Age Group								
		1981	1980			1979		1978		
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	5/15 - 5/25									
Sample Dates:	6/01 - 6/03[2]									
Sample Size:	523									
Female	Percent of Sample	0.0	0.0	4.0	0.0	36.5	0.8	0.2	5.5	47.0
	Number in Escapement	0	0	1,082	0	9,874	216	54	1,488	12,714
Male	Percent of Sample	0.0	0.0	2.3	0.0	43.8	0.8	0.0	6.1	53.0
	Number in Escapement	0	0	622	0	11,849	216	0	1,651	14,338
Total	Percent of Sample	0.0	0.0	6.3	0.0	80.3	1.6	0.2	11.6	100.0
	Number in Escapement	0	0	1,704	0	21,723	432	54	3,139	27,052
	Standard Error	0	0	288	0	471	149	53	379	
Stratum Dates:	5/26 - 6/01									
Sample Dates:	6/08 - 6/10[2]									
Sample Size:	372									
Female	Percent of Sample	0.0	0.0	5.7	0.0	35.3	2.2	0.0	6.5	49.7
	Number in Escapement	0	0	2,519	0	15,598	972	0	2,872	21,961
Male	Percent of Sample	0.0	0.0	2.4	0.0	38.3	0.5	0.5	8.6	50.3
	Number in Escapement	0	0	1,061	0	16,924	221	221	3,800	22,227
Total	Percent of Sample	0.0	0.0	8.1	0.0	73.6	2.7	0.5	15.1	100.0
	Number in Escapement	0	0	3,580	0	32,522	1,193	221	6,672	44,188
	Standard Error	0	0	626	0	1,011	372	162	821	
Stratum Dates:	6/02 - 6/09									
Sample Dates:	6/15 - 6/17									
Sample Size:	265									
Female	Percent of Sample	0.4	0.0	3.4	0.0	47.1	1.1	0.0	7.5	59.5
	Number in Escapement	491	0	4,170	0	57,773	1,349	0	9,200	72,983
Male	Percent of Sample	0.0	0.0	2.3	0.0	34.0	0.0	0.0	4.2	40.5
	Number in Escapement	0	0	2,821	0	41,705	0	0	5,152	49,678
Total	Percent of Sample	0.4	0.0	5.7	0.0	81.1	1.1	0.0	11.7	100.0
	Number in Escapement	491	0	6,992	0	99,478	1,349	0	14,351	122,661
	Standard Error	477	0	1,750	0	2,956	787	0	2,426	

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Appendix Table C4. Estimated sex and age composition of the sockeye salmon escapement to the Upper Copper River at the Miles Lake Sonar Project, 1984[1] (continued).

		Brood Year and Age Group								
		1981	1980			1979		1978		
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/10 - 6/15[2]									
Sample Dates:	6/20 - 6/24[2]									
Sample Size:	284									
Female	Percent of Sample	0.0	0.0	2.1	0.0	58.0	1.1	0.0	3.2	64.4
	Number in Escapement	0	0	1,818	0	50,206	952	0	2,770	55,746
Male	Percent of Sample	0.0	0.0	1.1	0.0	32.7	0.0	0.4	1.4	35.6
	Number in Escapement	0	0	952	0	28,306	0	346	1,212	30,816
Total	Percent of Sample	0.0	0.0	3.2	0.0	90.7	1.1	0.4	4.6	100.0
	Number in Escapement	0	0	2,770	0	78,512	952	346	3,982	86,562
	Standard Error	0	0	906	0	1,494	537	325	1,078	
Stratum Dates:	6/16 - 6/23[2]									
Sample Dates:	6/26 - 7/01[2]									
Sample Size:	511									
Female	Percent of Sample	0.0	0.0	5.6	0.0	49.1	0.8	0.0	2.5	58.0
	Number in Escapement	0	0	4,587	0	40,220	655	0	2,048	47,510
Male	Percent of Sample	0.0	0.0	2.0	0.0	38.2	0.0	0.0	1.8	42.0
	Number in Escapement	0	0	1,639	0	31,292	0	0	1,474	34,405
Total	Percent of Sample	0.0	0.0	7.6	0.0	87.3	0.8	0.0	4.3	100.0
	Number in Escapement	0	0	6,226	0	71,512	655	0	3,522	81,915
	Standard Error	0	0	961	0	1,208	323	0	736	
Stratum Dates:	6/24 - 8/06[3]									
Sample Dates:	7/02 - 7/25[3]									
Sample Size:	1,024									
Female	Percent of Sample	0.0	0.2	5.3	0.0	40.4	1.0	0.0	1.4	48.2
	Number in Escapement	0	328	9,204	0	70,439	1,690	0	2,389	84,050
Male	Percent of Sample	0.0	.0	3.0	.0	46.4	0.1	0.0	2.2	51.8
	Number in Escapement	0	21	5,276	21	80,942	202	0	3,916	90,378
Total	Percent of Sample	0.0	0.2	8.3	.0	86.8	1.1	0.0	3.6	100.0
	Number in Escapement	0	349	14,480	21	151,381	1,892	0	6,305	174,428
	Standard Error	0	302	1,690	23	2,140	577	0	1,274	

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Appendix Table C4. Estimated sex and age composition of the sockeye salmon escapement to the Upper Copper River at the Miles Lake Sonar Project, 1984[1] (continued).

		Brood Year and Age Group								
		1981	1980			1979		1978		
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Strata Combined:	5/19 - 8/06									
Sample Dates:	6/01 - 7/25									
Sample Size:	2,979									
Female	Percent of Sample	0.1	0.1	4.4	0.0	45.5	1.1	.0	3.9	54.9
	Number in Escapement	491	328	23,380	0	244,110	5,834	54	20,767	294,964
Male	Percent of Sample	0.0	.0	2.3	.0	39.3	0.1	0.1	3.2	45.1
	Number in Escapement	0	21	12,371	21	211,018	639	567	17,205	241,842
Total	Percent of Sample	0.1	0.1	6.7	.0	84.8	1.2	0.1	7.1	100.0
	Number in Escapement	491	349	35,752	21	455,128	6,473	621	37,971	536,806
	Standard Error	477	302	2,853	23	4,272	1,227	367	3,167	

[1] The escapement estimate at the Miles Lake sonar project is for all salmon species. Roberson (Alaska Department of Fish and Game, Glennallen, Alaska, personal communication) feels that chinook salmon probably account for about 5% of the estimate and that coho salmon are a much smaller portion than that. Because these minor contributions are not precisely known and sockeye salmon are overwhelmingly predominant, the estimate for all species has historically been reported as the estimate for sockeye salmon and that convention is followed here.

[2] Samples from the subsistence and personal fisheries catches at Chitina are treated as representative of the Upriver escapement in these strata. The Upriver escapement by sex and age is estimated for each strata using the Miles Lake sonar data and the sex and age composition data from Upriver fisheries samples. The strata dates for the escapement are the strata dates for the fisheries catches lagged to correct for the travel time of fish in transit from Miles Lake to Chitina. The mean monthly travel rates used to calculate the travel time between the two sites are from tagging data (Merritt and Roberson 1983).

[3] Fish destined for Long Lake in the Chitina River drainage are present in large numbers in this stratum. These fish orient to the east bank of the Copper River by the time they reach Chitina and because most of the fishing effort below the confluence of the Chitina River and the mainstem of the Copper River is on the west bank they are probably not caught (Roberson, Alaska Department of Fish and Game, Glennallen, Alaska, personal communication). Because Long Lake fish are probably not represented in the samples from the Upriver fisheries, those samples alone cannot be used to estimate the Upriver escapement by sex and age in the last stratum. The Upriver escapement by sex and age is estimated as follows: (1) Counts and samples from a weir at the Long Lake outlet are used to estimate the escapement by sex and

-Continued-

Appendix Table C4. Estimated sex and age composition of the sockeye salmon escapement to the Upper Copper River at the Miles Lake Sonar Project, 1984[1] (continued).

age for that stock; (2) the Long Lake weir counts are subtracted from the sonar counts in the last stratum and fishery samples are used to apportion the remainder by sex and age and; (3) the two estimates of escapement by sex and age are summed.

Appendix Table C5. Estimated age and sex composition of the sockeye salmon escapement to Long Lake, 1984[1].

		Brood Year and Age Group						
		1980			1979		1978	
		0.3	1.2	2.1	1.3	2.2	2.3	Total
Stratum Dates:	7/23 - 9/23[2]							
Sample Dates:	9/03 - 9/05							
Sample Size:	432							
Female	Percent of Sample	0.0	23.4	0.0	27.8	5.1	0.9	57.2
	Number in Escapement	0	2,489	0	2,957	543	96	6,085
Male	Percent of Sample	0.2	11.1	0.2	28.0	1.9	1.4	42.8
	Number in Escapement	21	1,181	21	2,978	202	149	4,552
Total	Percent of Sample	0.2	34.5	0.2	55.8	7.0	2.3	100.0
	Number in Escapement	21	3,670	21	5,935	745	245	10,637
	Standard Error	23	243	23	254	131	77	

[1] The weir is installed and operated on a volunteer basis by the Collins family of Long Lake. Alaska Department of Fish and Game employees sampled the fish for sex and age.

[2] The weir was dismantled on 23 September.

Appendix Table C6. Age and sex composition of sockeye salmon sampled from the escapement to Tonsina Lake, 1984[1].

		Brood Year and Age Group 1979 1.3	1978 2.3	Total
Sample Dates:	10/31			
Sample Size:	318			
Female	Number in Sample	171	3	174
	Percent of Sample	54.4	1.0	55.4
Male	Number in Sample	135	5	140
	Percent of Sample	43.0	1.6	44.6
Total	Number in Sample	310	8	318
	Percent of Sample	97.4	2.6	100.0
	Standard Error	0.9	0.9	

[1] From beach seine sample taken on the spawning grounds. Data were provided by Ken Roberson, Alaska Department of Fish and Game, Glennallen, Alaska.

Appendix Table C7. Age and sex composition of sockeye salmon sampled from the escapement to Klutina Lake, St. Anne Creek, 1984[1].

		Brood Year and Age Group					
		1980	1979		1978		
		1.2	1.3	2.2	1.4	2.3	Total
Sample Dates:	7/12						
Sample Size:	430						
Female	Number in Sample	6	235	1	1	4	247
	Percent of Sample	1.4	54.7	0.2	0.2	0.9	57.4
Male	Number in Sample	3	173	2	0	5	183
	Percent of Sample	0.7	40.2	0.5	0.0	1.2	42.6
Total	Number in Sample	9	408	3	1	9	430
	Percent of Sample	2.1	94.9	0.7	0.2	2.1	100.0
	Standard Error	0.7	1.1	0.4	0.2	0.7	

[1] From beach seine samples taken on the spawning grounds. Data were provided by Ken Roberson, Alaska Department of Fish and Game, Glennallen, Alaska.

Appendix Table C8. Age and sex composition of sockeye salmon sampled from the escapement to Tazlina Lake, 1984[1].

		Brood Year and Age Group				
		1980	1979		1978	
		1.2	1.3	2.2	2.3	Total
Sample Dates:	7/07					
Sample Size:	215					
Female	Number in Sample	24	66	11	14	115
	Percent of Sample	11.2	30.7	5.1	6.5	53.5
Male	Number in Sample	40	35	13	12	100
	Percent of Sample	18.6	16.3	6.0	5.6	46.5
Total	Number in Sample	64	101	24	26	215
	Percent of Sample	29.8	47.0	11.1	12.1	100.0
	Standard Error	3.1	3.4	2.1	2.2	

[1] Data are from fish captured with a gillnet in Tazlina Lake. The data were provided by Ken Roberson, Alaska Department of Fish and Game, Glennallen, Alaska.

APPENDIX D

Escapements to Coastal Streams near Copper River

Appendix Table D1. Sockeye salmon escapement through the Tokun Lake weir, 1984.

Date	Escapement Daily	Escapement Cumulative	Date	Escapement Daily	Escapement Cumulative
5/11	1	1	7/ 1	195	23,630
5/12	0	1	7/ 2	259	23,889
5/13	0	1	7/ 3	360	24,249
5/14	0	1	7/ 4	117	24,366
5/15	0	1	7/ 5	120	24,486
5/16	0	1	7/ 6	505	24,991
5/17	0	1	7/ 7	0	24,991
5/18	0	1	7/ 8	186	25,177
5/19	7	8	7/ 9	310	25,487
5/20	0	8	7/10	63	25,550
5/21	0	8	7/11	49	25,599
5/22	12	20	7/12	1	25,600
5/23	0	20	7/13	4	25,604
5/24	26	46	7/14	43	25,647
5/25	202	248	7/15	63	25,710
5/26	165	413	7/16	159	25,869
5/27	201	614	7/17	78	25,947
5/28	248	862	7/18	117	26,064
5/29	108	970	7/19	169	26,233
5/30	235	1,205	7/20	28	26,261
5/31	614	1,819	7/21	37	26,298
6/ 1	302	2,121	7/22	33	26,331
6/ 2	234	2,355	7/23	47	26,378
6/ 3	777	3,132	7/24	70	26,448
6/ 4	1,294	4,426	7/25	141	26,589
6/ 5	769	5,195	7/26	38	26,627
6/ 6	1,376	6,571	7/27	71	26,698
6/ 7	1,148	7,719	7/28	22	26,720
6/ 8	780	8,499	7/29	7	26,727
6/ 9	1,324	9,823	7/30	86	26,813
6/10	872	10,695	7/31	10	26,823
6/11	1,164	11,859	8/ 1	30	26,853
6/12	658	12,517	8/ 2	47	26,900
6/13	1,727	14,244	8/ 3	17	26,917
6/14	1,669	15,913	8/ 4	12	26,929
6/15	1,527	17,440	8/ 5	27	26,956
6/16	859	18,299	8/ 6	35	26,991
6/17	402	18,701	8/ 7	8	26,999
6/18	557	19,258	8/ 8	0	26,999
6/19	681	19,939	8/ 9	8	27,007
6/20	608	20,547	8/10	8	27,015
6/21	191	20,738	8/11	17	27,032
6/22	421	21,159	8/12	12	27,044
6/23	395	21,554	8/13	91	27,135
6/24	228	21,782	8/14	13	27,148
6/25	568	22,350	8/15	45	27,193
6/26	372	22,722	8/16	10	27,203
6/27	334	23,056	8/17	30	27,233
6/28	162	23,218	8/18	13	27,246
6/29	106	23,324	8/19	106	27,352
6/30	111	23,435	8/20[1]	89	27,441
			Total		27,441

[1] Weir closed.

Appendix Table D2. Aerial escapement indices and weir counts by date and location for sockeye salmon returning to the Copper River Delta and Bering River, 1984.

Copper River Delta System/Drainage	Survey Site	Survey Dates												Estimated Escapement	
		07 Jun	15 Jun	20 Jun	28 Jun	05 Jul	12 Jul	19 Jul	03 Aug	16 Aug	24 Aug	31 Aug	06 Sep	Site [2]	System [3]
Eyak Lake	West Shore Beaches	0	0	400	500	3,500	4,190	3,500 *	3,500	2,775	nc	600	1,700	3,500	16,200
	Middle Arm Beaches	1,000 *	400	300	100	60	40	200	1,000	2,000	nc	4,500	5,000 *	6,000	
	North Shore Beaches	0	0	0	0	0	50	125	100	200	nc	nc	2,500 *	2,500	
	Hatchery Creek Delta	150	400	1,000	1,000	500	1,000	800	2,500 *	50	nc	nc	500	2,500	
	Hatchery Creek	0	250	100	1,200 *	1,000	1,000	600	200	20	nc	0	50	1,200	
	Power Creek Delta	0	0	0	0	0	0	0	0	0	nc	nc	0	0	
	Power Creek	0	0	0	0	0	0	500 *	0	0	nc	nc	0	500	
Ibek Creek	Ibek Creek	ns	ns	ns	ns	ns	ns	ns	ns	nc	0	0		0	0
Alganik Slough	McKinley Lake	0	0	0	800	2,500	10,000	15,000	15,000	11,200 *	6,000	1,000	3,500	11,200	20,400
	Salmon Creek - Left Fork	0	0	0	0	0	0	50	4,000	7,000 *	8,000	4,000	5,000	7,000	
	Salmon Creek - Right Fork	0	0	0	0	0	0	75	1,000	2,200 *	3,000	1,000	1,000	2,200	
26-27 Mile Creek	26-27 Mile Creek	0	350	2,000	3,000	5,500	7,500 *	5,000	2,500	3,500	5,000	1,500	800	7,500	7,500
39 Mile Creek	39 Mile Creek	ns	ns	0	125	6,000	11,000	10,000	14,000	17,000 *	12,000	1,000	9,000	17,000	17,000
Goat Mountain Creek	Goat Mountain Creek	ns	ns	0	0	50	350	0	600	1,500 *	nc	nc	100	1,500	1,500
Pleasant Creek	Pleasant Creek	ns	ns	0	0	7,400 *	650	2,500	3,500	1,000	0	0	0	7,400	7,400
Martin River	Martin River	900	3,175	200	650	625	2,900	2,000	800	1,500	400	200	5,000 *	5,000	5,000
	Ragged Point River	0	0	0	0	0	0	2,500	800	600	450	350	350 *	350	8,950
	Ragged Point Lake Outlet	0	0	0	0	0	0	0	1,200	3,000	125	200	600 *	600	
	Ragged Point lake	0	0	0	0	0	0	0	12	2,000	ns	4,000	8,000 *	8,000	
	Martin Lake Outlet	150	6,000	3,000	8,000	12,000 *	1,000	3,000	4,000	2,500	nc	2,000	3,000	12,000	35,350
	Martin lake	3,000	10,000	16,000	15,000	11,350 *	5,000	2,500	6,500	6,000	nc	200	400	11,350	
	Martin Lake Feeders	0	0	2,500	2,100	12,000 *	12,000	11,000	3,500	350	nc	0	0	12,000	
	Pothole Lake Outlet	ns	ns	2,000	4,000	6,000 *	1,200	4,000	250	25	nc	200	125	6,000	6,300
	Pothole lake	ns	ns	0	300 *	0	400	800	200	100	nc	1,000	2,000	300	
	Little Martin Lake Outlet	0	ns	0	0	0	300	500 *	50	120	nc	100	200	500	10,500
	Little Martin Lake	0	ns	200	2,000	6,000	9,000	10,000 *	8,000	7,500	nc	4,500	4,500	10,000	
	Tokun River	150	1,100	600	1,000	1,500	400	2,500	750	425	nc	300	350 *	350	28,191
	Tokun Springs	0	0	0	0	0	0	1,500	100	125	nc	200 *	?	200	
	Tokun Lake Outlet	50	200	0	0	250	1,000	300	0	0	nc	150	200 *	200	
	Tokun Lake Aerial Counts	1,200	2,000	4,500		9,000	8,000	4,000	4,000	2,500	nc	7,000	4,000		
	Tokun Weir (Cumulative)	7,719	17,440	20,547	23,218	24,486	25,600	26,233	26,917	27,203	27,441 [4]	27,441	27,441	27,441	
Martin River Slough	Martin River Slough	ns	6,200	10,500	13,500	14,500 *	8,500	7,000	3,000	350	0	0	0	14,500	14,500
Copper River Delta Daily Survey Totals [5]		6,600	30,075	43,300	53,275	99,735	85,480	89,950	81,062	75,540	34,975	34,000	57,875	Total	178,791

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Appendix Table D2. Aerial escapement indices and weir counts by date and location for sockeye salmon returning to the Copper River Delta and Bering River, 1984 (continued).

Bering River Area System/Drainage	Survey Site	Survey Dates											Estimated Escapement	
		07 Jun	15 Jun	20 Jun	28 Jun	05 Jul	12 Jul	19 Jul	03 Aug	16 Aug	24 Aug	31 Aug	06 Sep	Site [2]	System [3]
Katella River	Katella River	ns	ns	ns	ns	chums	nc	pinks	pinks	0	nc	0	0	0	0
Bering River	Bering Lake	1,650	2,500	26,000	16,000	18,000 *	12,000	13,000	4,500	2,300	nc	0	125	18,000	29,000
	Dick Creek	0	0	0	0	11,000 *	8,000	11,000	11,000	5,500	nc	0	0	11,000	
	Shepherd Creek	0	1,000	5,000	6,000	8,500	9,000	13,000 *	9,000	500	nc	nc	0	13,000	14,500
	Carbon Creek	ns	ns	ns	ns	0	100	1,500 *	250	25	nc	nc	0	1,500	
	Maxwell Creek	ns	ns	ns	ns	0	0	0	0	0	nc	nc	0	0	
	Trout Creek	ns	ns	ns	ns	0	0	0	0	0	nc	nc	0	0	0
	Clear Creek	ns	ns	ns	ns	0	0	0	3,500 *	0	nc	nc	0	3,500	3,500
	Kushtaka Lake	ns	ns	ns	ns	0	0	500	800 *	50	nc	0	0	800	1,504
	Shokum Creek	ns	ns	ns	ns	0	0	0	700 *	125	nc	0	0	700	
Nichawak River	Nichawak River	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	nc	nc	nc	nc
Gandil River	Gandil River	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	nc	nc	nc	nc
Bering River Area Total		1,650	3,500	31,000	22,000	37,500	29,100	39,000	29,750	8,500	0	0	125	Total	48,500
Copper River Delta /Bering River Area Daily Totals		8,250	33,575	74,300	75,275	137,235	114,500	128,950	110,812	84,040	34,975	34,000	58,000	Total	227,291

[1] The survey sites in this table represent most of the known sockeye salmon spawning locations in the Copper River Delta and Bering River drainages. The sites are surveyed regularly through the season (weekly if conditions permit). The surveys are to provide information about strength of escapements among years and within a given year, the relative escapement contribution among spawning areas. The indices are not intended to provide an actual estimate of escapement for the coastal stocks but we have used them for that purpose because there is presently no other means of making such an estimate.

[2] The escapement estimate for each site is the asterisked aerial survey estimate. Where the survey site is a terminal spawning area the peak count was used, however, if the site was a holding area for fish bound for sites further upstream the count which minimizes duplication was selected. In the Alganik Slough system for example, fish destined for Salmon Creek often hold up in McKinley Lake and if the 3 August peak estimate for McKinley Lake had been added to the 16 August peak count for Salmon Creek, the sum would have been probably included duplicate counts for fish that moved from the lake to the creek in the interim. By choosing the 16 August estimates for both sites the chance of duplication was minimized.

[3] The sum of the estimates by site within a system.

[4] The weir was closed on 20 August.

[5] Based on weir counts and 6 September aerial counts in Tokun River and the lake outlet subsequent to the 28 August weir closure.

Appendix Table D3. Estimated age and sex composition of the combined sockeye salmon escapements to the Copper River Delta and Bering River drainages, 1984.

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Copper River Delta Escapements [1]											
Sample Dates:	6/04 - 8/12										
Sample Size:	7,273										
Female	Percent of Sample	0.1	.0	2.0	7.2	0.0	41.5	0.1	.0	0.9	51.8
	Number in Escapement	102	61	3,221	11,279	0	65,379	164	53	1,375	81,634
Male	Percent of Sample	1.7	1.2	1.0	26.0	.0	17.6	0.2	.0	0.3	48.2
	Number in Escapement	2,686	1,967	1,499	40,996	35	27,716	386	44	528	75,857
Total	Percent of Sample	1.8	1.3	3.0	33.2	.0	59.1	0.3	0.1	1.2	100.0
	Number in Escapement	2,788	2,028	4,720	52,275	35	93,095	550	97	1,903	157,491
	Standard Error	207	244	280	912	40	951	106	46	203	
Bering River Escapements [2]											
Sample Dates:	7/05 - 8/12										
Sample Size:	2,085										
Female	Percent of Sample	0.2	0.0	9.4	0.8	0.0	42.6	0.2	0.0	0.4	53.6
	Number in Escapement	87	0	4,219	367	0	19,170	75	0	198	24,116
Male	Percent of Sample	0.9	0.4	9.5	4.5	.0	30.6	0.2	0.0	0.2	46.4
	Number in Escapement	406	170	4,277	2,043	6	13,785	97	0	100	20,884
Total	Percent of Sample	1.1	0.4	18.9	5.4	.0	73.2	0.4	0.0	0.7	100.0
	Number in Escapement	493	170	8,496	2,410	6	32,955	172	0	298	45,000
	Standard Error	138	38	487	274	4	537	45	0	65	
Combined Delta and Bering River Escapements											
Sample Dates:											
Sample Size:	9,358										
Female	Percent of Sample	0.1	.0	3.7	5.8	0.0	41.8	0.1	.0	0.8	52.2
	Number in Escapement	189	61	7,440	11,646	0	84,549	239	53	1,573	105,750
Male	Percent of Sample	1.5	1.1	2.9	21.3	.0	20.5	0.2	.0	0.3	47.8
	Number in Escapement	3,092	2,137	5,776	43,039	41	41,501	483	44	628	96,741
Total	Percent of Sample	1.6	1.1	6.5	27.0	.0	62.2	0.4	.0	1.1	100.0
	Number in Escapement	3,281	2,198	13,216	54,685	41	126,050	722	97	2,201	202,491
	Standard Error	249	247	562	953	40	1,092	115	46	213	

[1] Includes the estimates of escapement by sex and age for Eyak Lake (beach spawners and Hatchery Creek), McKinley Lake (beach spawners and Salmon Creek), 27-Mile Slough, Ragged Point Lake, Martin Lake (beach and stream spawners), Little Martin Lake, Tokun Lake, Martin River Slough, and 39-Mile Creek. The Tokun Lake estimate is from weir counts and data from systematic stratified samples taken at the weir. The remainder of the escapement estimates are based on aerial survey data and sex and age composition data from a single sampling trip to each site. Some of the minor spawning sites which are regularly included in the aerial estimate of Delta escapement were not sampled and are not included in the Delta escapement estimate by sex and age.

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Appendix Table D3. Estimated age and sex composition of the combined sockeye salmon escapements to the Copper River Delta and Bering River drainages, 1983 (continued).

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[2] Includes the estimates of escapement by sex and age for Bering Lake (beach spawners and Dick), Shepherd Creek (includes Maxwell and Carbon Creeks), and Kushtaka Lake. The escapement estimates are based on aerial survey data and age and sex composition data from a single sampling trip to each site. Some of the minor spawning sites which are regularly included in the aerial estimate of Delta escapement were not sampled and are not included in the Bering River escapement estimate by sex and age.

Appendix Table D4. Estimated age and sex composition of the sockeye salmon escapement to Eyak Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Escapement - Beach Spawners											
Sample Dates: 7/15											
Sample Size: 602											
Female	Percent of Sample	0.0	0.0	0.0	5.1	0.0	37.2	0.3	0.0	1.2	43.8
	Number in Escapement	0	0	0	612	0	4,464	36	0	144	5,256
Male	Percent of Sample	0.0	0.0	0.0	30.6	0.0	24.3	0.5	0.0	0.8	56.2
	Number in Escapement	0	0	0	3,672	0	2,916	60	0	96	6,744
Total	Percent of Sample	0.0	0.0	0.0	35.7	0.0	61.5	0.8	0.0	2.0	100.0
	Number in Escapement	0	0	0	4,284	0	7,380	96	0	240	12,000
	Standard Error	0	0	0	234	0	238	44	0	68	
Escapement - Hatchery Creek[2]											
Sample Dates: 6/29 - 7/10											
Sample Size: 601											
Female	Percent of Sample	0.0	0.0	0.0	2.7	0.0	40.7	0.0	0.2	0.7	44.3
	Number in Escapement	0	0	0	113	0	1,710	0	8	29	1,860
Male	Percent of Sample	0.0	0.5	0.2	40.0	0.0	14.5	0.0	0.0	0.5	55.7
	Number in Escapement	0	21	8	1,681	0	609	0	0	21	2,340
Total	Percent of Sample	0.0	0.5	0.2	42.7	0.0	55.2	0.0	0.2	1.2	100.0
	Number in Escapement	0	21	8	1,794	0	2,319	0	8	50	4,200
	Standard Error	0	12	8	85	0	85	0	8	19	
Escapement - Combined											
Sample Dates: 6/29 - 7/15											
Sample Size: 1,203											
Female	Percent of Sample	0.0	0.0	0.0	4.5	0.0	38.1	0.2	.0	1.1	43.9
	Number in Escapement	0	0	0	725	0	6,174	36	8	173	7,116
Male	Percent of Sample	0.0	0.1	.0	33.0	0.0	21.8	0.4	0.0	0.7	56.1
	Number in Escapement	0	21	8	5,353	0	3,525	60	0	117	9,084
Total	Percent of Sample	0.0	0.1	.0	37.5	0.0	59.9	0.6	.0	1.8	100.0
	Number in Escapement	0	21	8	6,078	0	9,699	96	8	290	16,200
	Standard Error	0	12	8	249	0	253	44	8	71	

[1] The total escapement estimate to each site from a periodic aerial survey program.

[2] Includes the small escapement to Power Creek.

Appendix Table D5. Estimated age and sex composition of the sockeye salmon escapement to McKinley Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/16										
Sample Size:	763										
Female	Percent of Sample	0.0	0.3	0.0	1.8	0.0	35.3	0.1	0.0	0.0	37.5
	Number in Escapement	0	61	0	367	0	7,201	20	0	0	7,649
Male	Percent of Sample	0.0	1.2	0.0	44.7	0.0	15.6	0.9	0.0	0.1	62.5
	Number in Escapement	0	245	0	9,119	0	3,183	184	0	20	12,751
Total	Percent of Sample	0.0	1.5	0.0	46.5	0.0	50.9	1.0	0.0	0.1	100.0
	Number in Escapement	0	306	0	9,486	0	10,384	204	0	20	20,400
	Standard Error	0	90	0	369	0	369	74	0	23	

[1] The total escapement estimate is based on data from periodic aerial surveys and includes the date for the lake and Salmon Creek.

Appendix Table D6. Estimated age and sex composition of the sockeye salmon escapement to 27-Mile Slough, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	6/19										
Sample Size:	558										
Female	Percent of Sample	0.0	0.0	0.0	0.5	0.0	55.6	0.0	0.4	2.5	59.0
	Number in Escapement	0	0	0	38	0	4,170	0	30	187	4,425
Male	Percent of Sample	0.0	0.0	0.0	25.6	0.0	14.3	0.0	0.0	1.1	41.0
	Number in Escapement	0	0	0	1,920	0	1,072	0	0	83	3,075
Total	Percent of Sample	0.0	0.0	0.0	26.1	0.0	69.9	0.0	0.4	3.6	100.0
	Number in Escapement	0	0	0	1,958	0	5,242	0	30	270	7,500
	Standard Error	0	0	0	140	0	146	0	20	59	

[1] The total escapement estimate is based on data from periodic aerial surveys.

Appendix Table D7. Estimated age and sex composition of the sockeye salmon escapement to Ragged Point Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	8/05										
Sample Size:	603										
Female	Percent of Sample	0.0	0.0	0.0	8.6	0.0	48.3	0.7	0.0	3.6	61.2
	Number in Escapement	0	0	0	739	0	4,154	60	0	310	5,263
Male	Percent of Sample	0.0	4.8	0.0	8.8	0.0	22.2	0.7	0.0	2.3	38.8
	Number in Escapement	0	413	0	757	0	1,909	60	0	198	3,337
Total	Percent of Sample	0.0	4.8	0.0	17.4	0.0	70.5	1.4	0.0	5.9	100.0
	Number in Escapement	0	413	0	1,496	0	6,063	120	0	508	8,600
	Standard Error	0	75	0	133	0	160	41	0	83	

[1] The total escapement estimate is based on data from period aerial surveys and includes the data for the lake outlet.

Appendix Table D8. Estimated age and sex composition of the sockeye salmon escapement to Martin Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/18										
Sample Size:	777										
Female	Percent of Sample	0.0	0.0	0.0	14.9	0.0	41.2	0.0	0.0	0.8	56.9
	Number in Escapement	0	0	0	5,267	0	14,564	0	0	283	20,114
Male	Percent of Sample	0.0	2.6	0.0	34.6	0.1	5.8	0.0	0.0	0.0	43.1
	Number in Escapement	0	919	0	12,231	35	2,051	0	0	0	15,236
Total	Percent of Sample	0.0	2.6	0.0	49.5	0.1	47.0	0.0	0.0	0.8	100.0
	Number in Escapement	0	919	0	17,498	35	16,615	0	0	283	35,350
	Standard Error	0	202	0	634	40	633	0	0	113	

[1] The total escapement estimate is based on data from periodic aerial surveys and includes the data for the lake and the feeder streams.

Appendix Table D9. Estimated age and sex composition of the sockeye salmon escapement to Little Martin Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/23										
Sample Size:	887										
Female	Percent of Sample	0.0	0.0	0.0	20.9	0.0	14.3	0.3	0.0	0.3	35.8
	Number in Escapement	0	0	0	2,195	0	1,501	31	0	32	3,759
Male	Percent of Sample	0.0	2.8	0.0	49.2	0.0	11.9	0.3	0.0	0.0	64.2
	Number in Escapement	0	294	0	5,166	0	1,250	31	0	0	6,741
Total	Percent of Sample	0.0	2.8	0.0	70.1	0.0	26.2	0.6	0.0	0.3	100.0
	Number in Escapement	0	294	0	7,361	0	2,751	62	0	32	10,500
	Standard Error	0	58	0	161	0	155	27	0	19	

[1] The total escapement estimate is based on data from periodic aerial surveys.

Appendix Table D10. Estimated age and sex composition of the sockeye salmon escapement through the Tokun Lake weir, 1984.

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	5/11 - 6/24										
Sample Dates:	6/04 - 6/06										
Sample Size:	662										
Female	Percent of Sample	0.0	0.0	0.0	2.6	0.0	59.6	0.0	0.0	0.3	62.5
	Number in Escapement	0	0	0	566	0	12,981	0	0	65	13,612
Male	Percent of Sample	0.0	0.0	0.0	6.6	0.0	30.5	0.0	0.2	0.2	37.5
	Number in Escapement	0	0	0	1,438	0	6,644	0	44	44	8,170
Total	Percent of Sample	0.0	0.0	0.0	9.2	0.0	90.1	0.0	0.2	0.5	100.0
	Number in Escapement	0	0	0	2,004	0	19,625	0	44	109	21,782
	Standard Error	0	0	0	245	0	253	0	38	60	
Stratum Dates:	6/25 - 8/20										
Sample Dates:	7/14 - 7/30										
Sample Size:	303										
Female	Percent of Sample	0.0	0.0	0.0	0.7	0.0	43.2	0.3	0.0	0.0	44.2
	Number in Escapement	0	0	0	40	0	2,445	17	0	0	2,502
Male	Percent of Sample	0.0	0.0	0.0	1.3	0.0	54.5	0.0	0.0	0.0	55.8
	Number in Escapement	0	0	0	73	0	3,084	0	0	0	3,157
Total	Percent of Sample	0.0	0.0	0.0	2.0	0.0	97.7	0.3	0.0	0.0	100.0
	Number in Escapement	0	0	0	113	0	5,529	17	0	0	5,659
	Standard Error	0	0	0	46	0	49	18	0	0	
Strata Combined:	5/11 - 8/20 [1]										
Sample Dates:	6/04 - 7/30										
Sample Size:	965										
Female	Percent of Escapement	0.0	0.0	0.0	2.2	0.0	56.2	0.1	0.0	0.2	58.7
	Number in Escapement	0	0	0	606	0	15,426	17	0	65	16,114
Male	Percent of Escapement	0.0	0.0	0.0	5.5	0.0	35.5	0.0	0.2	0.2	41.3
	Number in Escapement	0	0	0	1,511	0	9,728	0	44	44	11,327
Total	Percent of Escapement	0.0	0.0	0.0	7.7	0.0	91.7	0.1	0.2	0.4	100.0
	Number in Escapement	0	0	0	2,117	0	25,154	17	44	109	27,441
	Standard Error	0	0	0	249	0	258	18	38	60	

[1] Weir closed on 20 August.

Appendix Table D11. Estimated age and sex composition of the sockeye salmon escapement to Martin River Slough, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/02										
Sample Size:	816										
Female	Percent of Sample	0.7	0.0	15.3	1.4	0.0	36.7	0.0	0.1	0.6	54.8
	Number in Escapement	102	0	2,218	203	0	5,321	0	15	87	7,946
Male	Percent of Sample	17.0	0.4	6.3	7.8	0.0	13.6	0.0	0.0	0.1	45.2
	Number in Escapement	2,465	58	913	1,131	0	1,972	0	0	15	6,554
Total	Percent of Sample	17.7	0.4	21.6	9.2	0.0	50.3	0.0	0.1	0.7	100.0
	Number in Escapement	2,567	58	3,131	1,334	0	7,293	0	15	102	14,500
	Standard Error	194	32	209	147	0	254	0	16	42	

[1] The total escapement estimate is based on data from periodic aerial surveys.

Appendix Table D12. Estimated age and sex composition of the sockeye salmon escapement to 39-Mile Creek, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/12										
Sample Size:	701										
Female	Percent of Sample	0.0	0.0	5.9	6.7	0.0	40.4	0.0	0.0	1.4	54.4
	Number in Escapement	0	0	1,003	1,139	0	6,868	0	0	238	9,248
Male	Percent of Sample	1.3	0.1	3.4	22.4	0.0	17.8	0.3	0.0	0.3	45.6
	Number in Escapement	221	17	578	3,808	0	3,026	51	0	51	7,752
Total	Percent of Sample	1.3	0.1	9.3	29.1	0.0	58.2	0.3	0.0	1.7	100.0
	Number in Escapement	221	17	1,581	4,947	0	9,894	51	0	289	17,000
	Standard Error	73	20	187	292	0	317	35	0	83	

[1] The total escapement estimate is based on data from periodic aerial surveys.

Appendix Table D13. Estimated age and sex composition of the sockeye salmon escapement to Bering Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/05										
Sample Size:	738										
Female	Percent of Sample	0.3	0.0	11.1	0.7	0.0	38.8	0.0	0.0	0.1	51.0
	Number in Escapement	87	0	3,219	203	0	11,252	0	0	29	14,790
Male	Percent of Sample	1.4	0.1	11.8	5.7	0.0	29.9	0.1	0.0	0.0	49.0
	Number in Escapement	406	29	3,422	1,653	0	8,671	29	0	0	14,210
Total	Percent of Sample	1.7	0.1	22.9	6.4	0.0	68.7	0.1	0.0	0.1	100.0
	Number in Escapement	493	29	6,641	1,856	0	19,923	29	0	29	29,000
	Standard Error	138	34	449	261	0	495	34	0	34	

[1] The total escapement estimate is based on data from periodic aerial surveys and includes the data for the lake and Dick Creek.

Appendix Table D14. Estimated age and sex composition of the sockeye salmon escapement to Shepherd Creek, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	7/25 - 7/26										
Sample Size:	664										
Female	Percent of Sample	0.0	0.0	6.9	0.3	0.0	50.5	0.0	0.0	0.6	58.3
	Number in Escapement	0	0	1,000	43	0	7,323	0	0	87	8,453
Male	Percent of Sample	0.0	0.0	5.9	1.7	0.0	33.6	0.2	0.0	0.3	41.7
	Number in Escapement	0	0	855	247	0	4,872	29	0	44	6,047
Total	Percent of Sample	0.0	0.0	12.8	2.0	0.0	84.1	0.2	0.0	0.9	100.0
	Number in Escapement	0	0	1,855	290	0	12,195	29	0	131	14,500
	Standard Error	0	0	188	79	0	206	25	0	53	

[1] The total escapement estimate is based on data from periodic aerial surveys and includes the data for Shepherd Creek and its two principal tributaries; Maxwell Creek and Carbon Creek. The samples for the age and sex composition data were from fish captured in the lagoon in Shepherd Creek just above the confluence of the Bering River.

Appendix Table D15. Estimated age and sex composition of the sockeye salmon escapement to Kushtaka Lake, 1984[1].

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/07 - 9/06										
Sample Dates:	8/11 - 8/12										
Sample Size:	683										
Female	Percent of Sample	0.0	0.0	0.0	8.1	0.0	39.7	5.0	0.0	5.5	58.3
	Number in Escapement	0	0	0	121	0	595	75	0	82	873
Male	Percent of Sample	0.0	9.4	0.0	9.5	0.4	16.1	2.6	0.0	3.7	41.7
	Number in Escapement	0	141	0	143	6	242	39	0	56	627
Total	Percent of Sample	0.0	9.4	0.0	17.6	0.4	55.8	7.6	0.0	9.2	100.0
	Number in Escapement	0	141	0	264	6	837	114	0	138	1,500
	Standard Error	0	17	0	22	4	29	15	0	17	

[1] The total escapement estimate is based on data from periodic aerial surveys and includes the data for the lake and Shokum Creek.

Appendix Table D16. Aerial escapement indices and weir counts by date and location for coho salmon returning to the Copper River Delta and Bering River, 1984.

Copper River Delta System/Drainage	Survey Site [1]	Survey Dates												Estimated Escapement	
		07 Jun	15 Jun	20 Jun	28 Jun	05 Jul	12 Jul	19 Jul	03 Aug	16 Aug	24 Aug	31 Aug	06 Sep	Site [2]	System [3]
Eyak Lake	West Shore	0	0	0	0	0	0	0	0	0	nc	0	0	0	4,000
	Middle Arm	0	0	0	0	0	0	0	0	0	nc	200 *	0	200	
	North Shore	0	0	0	0	0	0	0	0	0	nc	0	3,000 *	3,000	
	Hatchery Creek Delta	0	0	0	0	0	0	0	0	0	nc	0	1,000 *	1,000	
	Hatchery Creek	0	0	0	0	0	0	0	0	0	nc	0	0	0	
	Power Creek Delta	0	0	0	0	0	0	0	0	0	nc	0	0	0	
	Power Creek	0	0	0	0	0	0	0	0	0	nc	0	600 *	600	
Ibek Creek	Ibek Creek	0	0	0	0	0	0	0	0	0	3,000 *	2,500	0	3,000	3,000
Alaganik Slough	McKinley Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	200
	Salmon Creek - Left Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Salmon Creek - Right Fork	0	0	0	0	0	0	0	0	0	0	0	200 *	200	
26-27 Mile Creek	26-27 Mile Creek	0	0	0	0	0	0	0	0	0	0	10	50 *	50	50
39 Mile Creek	39 Mile Creek	0	0	0	0	0	0	0	0	150	200	4,000	8,000 *	8,000	8,000
Goat Mountain Creek	Goat Mountain Creek	0	0	0	0	0	0	0	0	0	0	0	0		0
Pleasant Creek	Pleasant Creek	0	0	0	0	0	0	0	0	0	0	12	200 *	200	200
Martin River	Martin River	0	0	0	0	0	0	0	0	1,000	675	600	4,000 *	4,000	4,000
	Ragged Point River	0	0	0	0	0	0	0	0	0	ns	100	60 *	60	85
	Ragged Point Lake Outlet	0	0	0	0	0	0	0	0	0	ns	0	25 *	25	
	Ragged Point Lake	0	0	0	0	0	0	0	0	0	ns	0	0	0	
	Martin Lake Outlet	0	0	0	0	0	0	0	0	200	ns	1,000	500 *	500	5,300
	Martin Lake	0	0	0	0	0	0	0	0	0	ns	0	4,800 *	4,800	
	Martin Lake Feeders	0	0	0	0	0	0	0	0	0	ns	0	0	0	
	Pothole Lake Outlet	0	0	0	0	0	0	0	0	50	ns	50 *	600	50	650
	Pothole Lake	0	0	0	0	0	0	0	0	0	ns	600 *	0	600	
	Little Martin Lake Outlet	0	0	0	0	0	0	0	0	20	ns	200	500 *	500	625
	Little Martin Lake	0	0	0	0	0	0	0	0	0	ns	300	125 *	125	
	Tokun River	0	0	0	0	0	0	0	0	0	ns	200 *	0	200	210
	Tokun Springs	0	0	0	0	0	0	0	0	0	ns	10 *	0	10	
	Tokun Lake Outlet	0	0	0	0	0	0	0	0	0	ns	0	0	0	
	Tokun Lake	0	0	0	0	0	0	0	0	0	ns	0	0	0	
Martin River Slough	Martin River Slough	0	0	0	0	0	0	0	0	600	5,500	6,700	11,700 *	11,700	11,700
	Copper River Delta Total	0	0	0	0	0	0	0	0	2,020	9,375	16,482	35,360	Total	38,820

-Continued-

Appendix Table D16. Aerial escapement indices and weir counts by date and location for coho salmon returning to the Copper River Delta and Bering River, 1984 (continued).

Bering River Area System/Drainage	Survey Site [1]	Survey Dates												Estimated Escapement	
		07 Jun	15 Jun	20 Jun	28 Jun	05 Jul	12 Jul	19 Jul	03 Aug	16 Aug	24 Aug	31 Aug	06 Sep	Site [2]	System [3]
Katella River	Katella River	0	0	0	0	0	0	0	0	500	0	6,500 *	3,500	6,500	6,500
Bering River	Bering Lake	0	0	0	0	0	0	0	0	0	0	350	600 *	600	6,100
	Dick Creek	0	0	0	0	0	0	0	0	0	0	3,000	5,500 *	5,500	
	Shepherd Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Carbon Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Maxwell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Trout Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Clear Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Kushtaka Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shokum Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nichawak River	Nichawak River	ns	ns	ns	ns	ns	ns	ns	ns	ns	nc	nc	nc	nc	nc
Gandil River	Gandil River	0	ns	ns	ns	ns	ns	ns	ns	ns	nc	nc	nc	nc	nc
Bering River Total		0	0	0	0	0	0	0	0	500	0	9,850	9,600	Total	12,600
Copper River Delta / Bering River Area Totals		0	0	0	0	0	0	0	0	2,520	9,375	26,332	44,960	Total	51,420

[1] The survey sites in this table represent most of the known sockeye salmon spawning locations in the Copper River Delta and Bering River drainages. The sites are surveyed regularly through the season (weekly if conditions permit). The surveys are to provide information about strength of escapements among years, and within a given year, the relative escapement contribution among spawning areas. The indices are not intended to provide an actual estimate of escapement for the coastal stocks but we have used them for that purpose because there is presently no other means of making such an estimate.

[2] The escapement estimate for each site is the asterisked aerial survey estimate. Where the survey site is a terminal spawning area the peak count was used, however, if the site was a holding area for fish bound for sites further upstream the count which minimizes duplication was selected. In the Martin River system for example, the peak count of 1,000 fish in the lake outlet on 31 August may have included fish destined to spawn in other areas of the lake and which were included in the subsequent lake count on 6 September. By opting to use the 31 August peak count for the outlet and the 6 September peak count for the lake the chance of duplication was minimized.

[3] The sum of the estimates by site within a system.

APPENDIX E

Catches from Prince William Sound (Districts 221-228)

Appendix Table E1. Catches of salmon by gear and species in the fisheries of Prince William Sound, 1984.

Purse Seine Fisheries[1]

Week	Dates	Catch by Species					
		Chinook	Sockeye	Coho	Pink	Chum	Total
25	6/17 - 6/23	Closed	Closed	Closed	Closed	Closed	Closed
26	6/24 - 6/30	Closed	Closed	Closed	Closed	Closed	Closed
27	7/01 - 7/07[2]	4	4,726	19	448,609	74,630	527,988
28	7/08 - 7/14[3]	25	13,832	674	1,064,240	79,464	1,158,235
29	7/15 - 7/21	8	15,228	114	1,762,032	102,457	1,879,839
30	7/22 - 7/28	22	23,086	1,035	4,553,956	209,953	4,788,052
31	7/29 - 8/04[4 5 6]	13	30,039	2,031	4,422,164	190,139	4,644,386
32	8/05 - 8/11[7]	5	29,316	3,728	3,837,412	130,052	4,000,513
33	8/12 - 8/18	3	25,959	2,841	3,343,040	108,380	3,480,223
34	8/19 - 8/25[8]	0	9,059	796	697,024	10,952	717,831
35	8/26 - 9/01[9]	0	516	239	104,746	475	105,976
36	9/02 - 9/08	0	0	0	0	0	0
37	9/09 - 9/15	0	0	0	0	0	0
Total		80	151,761	11,477	20,233,223	906,502	21,303,043

Drift Gillnet Fisheries[10]

Week	Dates	Catch by Species					
		Chinook	Sockeye	Coho	Pink	Chum	Total
25	6/17 - 6/23[11]	90	23,632	2	8,411	10,835	42,970
26	6/24 - 6/30[12]	96	25,017	73	50,537	22,893	98,636
27	7/01 - 7/07	38	31,687	23	135,140	34,288	201,176
28	7/08 - 7/14	63	15,352	101	143,569	65,014	224,099
29	7/15 - 7/21[13]	32	8,350	221	280,386	83,667	372,656
30	7/22 - 7/28[14]	26	8,694	122	224,682	46,675	280,199
31	7/29 - 8/04[4,15]	53	14,069	149	219,306	21,097	254,674
32	8/05 - 8/11[7]	6	7,040	71	54,308	2,577	64,002
33	8/12 - 8/18	0	3,099	83	54,620	222	58,024
34	8/19 - 8/25[16]	0	19	0	707	15	741
35	8/26 - 9/01[9]	0	0	0	0	0	0
36	9/02 - 9/08	0	0	0	0	0	0
37	9/09 - 9/15	0	0	0	0	0	0
Drift Gillnet Total		404	136,959	845	1,171,686	287,283	1,597,177

-Continued-

Appendix Table E1. Catches of salmon by gear and species in the fisheries of Prince William Sound, 1984 (continued).

Set Gillnet Fisheries[17]

Week	Dates	Catch by Species					
		Chinook	Sockeye	Coho	Pink	Chum	Total
25	6/17 - 6/23	Closed	Closed	Closed	Closed	Closed	Closed
26	6/24 - 6/30	Closed	Closed	Closed	Closed	Closed	Closed
27	7/01 - 7/07	Closed	Closed	Closed	Closed	Closed	Closed
28	7/08 - 7/14	Closed	Closed	Closed	Closed	Closed	Closed
29	7/15 - 7/21[13]	0	597	11	9,079	388	10,075
30	7/22 - 7/28[14]	0	2,278	0	21,584	917	24,779
31	7/29 - 8/04[15]	1	5,449	19	44,218	948	50,635
32	8/05 - 8/11	4	6,391	29	45,121	566	52,111
33	8/12 - 8/18	0	7,312	36	79,611	160	87,119
34	8/19 - 8/25[16]	0	1,199	3	78,563	21	79,786
35	8/26 - 9/01[9]	0	0	0	0	0	0
36	9/02 - 9/08	0	0	0	0	0	0
37	9/09 - 9/15	0	0	0	0	0	0
Set Gillnet Total		5	23,226	98	278,176	3,000	304,505

Combined Purse Seine and Gillnet Fisheries

Week	Dates	Catch by Species					
		Chinook	Sockeye	Coho	Pink	Chum	Total
25	6/17 - 6/23	90	23,632	2	8,411	10,835	42,970
26	6/24 - 6/30	96	25,017	73	50,557	22,893	98,636
27	7/01 - 7/07	42	36,413	42	583,749	108,918	729,164
28	7/08 - 7/14	88	29,184	775	1,207,809	144,478	1,382,334
29	7/15 - 7/21	40	24,175	346	2,051,497	186,512	2,262,570
30	7/22 - 7/28	48	34,058	1,157	4,800,222	257,545	5,093,030
31	7/29 - 8/04	67	49,557	2,199	4,685,688	212,184	4,949,695
32	8/05 - 8/11	15	42,747	3,828	3,936,841	133,195	4,116,626
33	8/12 - 8/18	3	36,370	2,960	3,477,271	108,762	3,625,366
34	8/19 - 8/25	0	10,277	799	776,294	10,988	798,358
35	8/26 - 9/01	0	516	239	104,746	475	105,976
36	9/02 - 9/08	0	0	0	0	0	0
37	9/09 - 9/15	0	0	0	0	0	0
Drift Gillnet Total		489	311,946	12,420	21,683,085	1,196,785	23,204,725

-Continued-

Appendix Table E1. Catches of salmon by gear and species in the fisheries of Prince William Sound, 1984 (continued).

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[1] Includes the purse seine catches from the common property fisheries in the Eastern (221), Northern (222), Coghill (223), Northwestern (224), Southwestern (226), Montague (227), and Southeastern (228) Districts.

[2] The season opened in all general purse seine districts at 6:00 a.m. on Monday, 2 July, and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

[3] The Northern half of Eaglek Bay along with the head of Wells Bay in the Northern District were opened with the start of the regular weekly period at 6:00 a.m. on 9 July.

[4] Fishing in the Coghill District was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 13 August.

[5] One mile area near Cannery Creek in the Northern District closed for the season after 6:00 a.m. Saturday, 4 August.

[6] A portion of the San Juan subdistrict of the Southwestern District was closed for the duration of the season after 9:00 p.m. Saturday, 4 August.

[7] The eastern half of Unakwik Inlet in the Northern District was closed for the duration of the season after 9:00 a.m., 9 August.

[8] Port Fidalgo Subdistrict in the Eastern District was closed for the duration of the season effective at 6:00 a.m. Monday, 20 August.

[9] Although no catches were reported after the last week in August the remainder of the general purse seine districts were officially closed for the season after 9:00 p.m. Friday, 14 September.

[10] Includes drift gillnet catches from the Coghill District (223), the Unakwik Subdistrict of the Northern District (222-50), and the Eshamy District.

[11] The Coghill District (223) and the Unakwik Subdistrict of the Northern District (222) were open for fishing with drift gillnets at 6:00 a.m. on Monday, 18 June and continued on regular weekly fishing periods from 6:00 a.m. Monday through 9:00 p.m. Thursday.

[12] The weekly fishing period in Coghill and Unakwik was extended from 9:00 p.m. Thursday, 28 June to 9:00 p.m. Friday, 29 June. Regular weekly fishing periods remained on this schedule until later notice. The closed area at the mouth of the Coghill River was reduced effective 12:00 p.m. 26 June.

[13] The Main Bay area of the Eshamy District adjacent to the state hatchery was opened for continuous seven-day per week fishing throughout the season after 6:00 a.m. Monday, 16 July.

[14] The entire Eshamy District was opened for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday after 23 July.

[15] The entire Eshamy District was opened to continuous seven-day per week fishing from 9:00 p.m. Friday, 3 August until 9:00 p.m. Friday, 10 August. Regular weekly periods resumed thereafter.

-Continued-

Appendix Table E1. Catches of salmon by gear and species in the fisheries of Prince William Sound, 1984 (continued).

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[16] No catches were reported after 25 August, however, the drift and setnet fisheries were not officially closed until the end of the regular weekly period at 9:00 p.m. on Friday, 14 September.

[17] Includes set gillnet catches from the Eshamy District (225).

Appendix Table E2. Commercial catches of salmon in the Eastern District (221) purse seine fishery in Prince William Sound, 1984.

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
27	07/02-07/06 [1]	111		3	97	14	151,535	42,229	193,878
28	07/09-07/13	111		12	935	0	160,311	18,995	180,253
29	07/16-07/20	111		0	49	0	43,723	5,577	49,349
30	07/23-07/27	111		2	777	117	935,677	66,306	1,002,879
31	07/30-08/04 [2]	Cont.		6	1,310	536	1,066,168	81,314	1,149,334
32	08/05-08/10	135		2	1,050	1,189	948,615	86,335	1,037,191
33	08/13-08/17	111		1	429	1,188	1,012,741	83,695	1,098,054
34	08/20-08/24 [3]	111		0	76	465	170,277	8,520	179,338
35	08/27-08/31	111		0	0	24	27,038	27	27,089
36	09/03-09/07 [4]	111		0	0	0	0	0	0
37	09/10-09/14	111		0	0	0	0	0	0
Total				26	4,723	3,533	4,516,085	392,998	4,917,365

[1] The season opened in all general purse seine districts at 6:00 a.m. on Monday, 2 July, and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

[2] Fishing was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 13 August.

[3] Port Fidalgo subdistrict in the Eastern District was closed for the duration of the season effective at 6:00 a.m. Monday, 20 August.

[4] Although no catches were reported after the last week in August the remainder of the general purse seine districts were officially closed for the season after 9:00 p.m. Friday, 14 September.

Appendix Table E3. Commercial catch of salmon by species in the Northern District purse seine fishery and the Northern District, Unakwik Subdistrict (222) drift gillnet fishery, 1984.

District Purse Seine Fishery

Week	Fishing Period	Hours	Effort	Catch by Species					
				Chinook	Sockeye	Coho	Pink	Chum	Total
25	06/18-06/21	87		closed	closed	closed	closed	closed	closed
26	06/25-06/29	111		closed	closed	closed	closed	closed	closed
27	07/02-07/06[1]	111		0	1,350	0	94,228	25,243	121,021
28	07/09-07/13[2]	111		0	259	169	47,258	14,814	62,510
29	07/16-07/20	111		0	428	0	220,313	49,121	269,862
30	07/23-07/27	111		0	889	370	786,117	73,172	860,548
31	07/30-08/04[3,4]	Cont.		1	1,250	464	748,706	52,887	803,308
32	08/05-08/10[5]	135		0	827	63	277,209	10,703	288,802
33	08/13-08/17	111		0	15	0	38,314	167	38,496
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31[6]	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14	111		0	0	0	0	0	0
District Purse Seine Fishery Total				1	5,218	1,066	2,212,155	226,107	2,444,547

Unakwik Drift Gillnet Fishery[7]

Week	Fishing Period	Hours	Effort	Catch by Species					
				Chinook	Sockeye	Coho	Pink	Chum	Total
25	06/18-06/21[8]	87		0	4,735	0	24	7	4,766
26	06/25-06/29[9]	111		1	3,340	0	1,162	501	5,204
27	07/02-07/06	111		0	8,497	0	2,376	725	11,598
28	07/09-07/13	111		0	1,182	0	597	237	2,016
29	07/16-07/20	111		0	272	0	4,752	1,716	6,740
30	07/23-07/27	111		0	150	0	8,910	2,154	11,214
31	07/30-08/04[3]	Cont.		0	137	0	9,043	1,614	10,794
32	08/05-08/10[5]	135		0	0	0	0	0	0
33	08/13-08/17	111		0	0	0	0	0	0
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14[10]	111		0	0	0	0	0	0
Unakwik Drift Gillnet Fishery Total				1	18,513	0	26,864	6,954	52,332

-Continued-

Appendix Table E3. Commercial catch of salmon by species in the Northern District purse seine fishery and the Northern District, Unakwik Subdistrict (222) drift gillnet fishery, 1984 (continued).

Combined Gear

Week	Fishing Period	Hours	Effort	Catch by Species					
				Chinook	Sockeye	Coho	Pink	Chum	Total
25	06/18-06/21	87		0	4,735	0	24	7	4,766
26	06/25-06/29	111		1	3,540	0	1,162	501	5,204
27	07/02-07/06	111		0	10,047	0	96,604	25,968	132,619
28	07/09-07/13	111		0	1,441	169	47,865	15,051	64,526
29	07/16-07/20	111		0	700	0	225,065	50,837	276,602
30	07/23-07/27	111		0	1,039	370	795,027	75,326	871,762
31	07/30-08/04	Cont.		1	1,387	464	757,749	54,501	814,102
32	08/05-08/10	135		0	827	63	277,209	10,703	288,802
33	08/13-08/17	111		0	15	0	38,314	167	38,496
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14	111		0	0	0	0	0	0
Combined Gear Total				2	23,731	1,066	2,239,019	233,061	2,496,879

[1] The season opened in all general purse seine districts at 6:00 a.m. Monday, 2 July and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

[2] The northern half of Eaglek Bay along with the head of Wells Bay in the Northern District were opened with the start of the regular weekly period at 6:00 a.m. on 9 July.

[3] Fishing was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 11 August.

[4] One mile area near Cannery Creek in the Northern District closed for the season after 6:00 a.m. Saturday, 4 August.

[5] The eastern half of Unakwik Inlet in the Northern District was closed for the duration of the season after 9:00 a.m., 9 August.

[6] Although no catches were reported after the last week in August the remainder of the general purse seine districts were officially closed for the season after 9:00 p.m. Friday, 14 September.

[7] Restricted to Subdistrict 50 in the northern half of Unakwik Inlet.

[8] The Coghill District (223) and the Unakwik Subdistrict of the Northern District (222) were open for fishing with drift gillnets at 6:00 a.m. on Monday 18 June and continued on regular weekly fishing periods from 6:00 a.m. Monday through 9:00 p.m. Thursday.

-Continued-

Appendix Table E3. Commercial catch of salmon by species in the Northern District purse seine fishery and the Northern District, Unakwik Subdistrict (222) drift gillnet fishery, 1984 (continued).

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[9] The weekly fishing period in Coghill and Unakwik was extended from 9:00 p.m. Thursday, 28 June to 9:00 p.m. Friday, 29 June. Regular weekly fishing periods remained on this schedule until later notice. The closed area at the mouth of the Coghill River was reduced effect 12:00 p.m., 26 June.

[10] All fishing districts in Prince William Sound were closed to salmon fishing in the 1984 season effective 9:00 p.m., 14 September.

Appendix Table E4. Commercial catch of salmon by species and gear in the Coghill District (223), 1984.

Drift Gillnet Catches

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
25	06/18-06/21[1]	87		90	18,897	2	8,387	10,828	38,204
26	06/25-06/29[2]	111		95	21,477	73	49,395	22,392	93,432
27	07/02-07/06	111		38	23,190	23	132,764	33,563	189,578
28	07/09-07/13	111		63	14,170	101	142,972	64,777	222,083
29	07/16-07/20	111		32	7,843	210	271,220	81,547	360,852
30	07/23-07/27	111		25	1,996	67	152,198	36,761	191,047
31	07/30-08/04[3]	Cont.		53	7,383	87	140,560	15,010	163,093
32	08/05-08/10	135		0	0	0	0	0	0
33	08/13-08/17	111		0	0	0	0	0	0
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14[4]	111		0	0	0	0	0	0
Drift Gillnet Total				396	94,956	563	897,496	264,878	1,258,289

Purse Seine Catches[5]

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
25	06/18-06/21	87		closed	closed	closed	closed	closed	closed
26	06/25-06/29	111		closed	closed	closed	closed	closed	closed
27	07/02-07/06[6]	111		0	21	0	10,911	1,126	14,058
28	07/09-07/13	111		0	0	0	0	0	0
29	07/16-07/20	111		0	0	0	0	0	0
30	07/23-07/27	111		0	0	0	0	0	0
31	07/30-08/04[3]	Cont.		0	0	0	0	0	0
32	08/05-08/10	135		0	0	0	0	0	0
33	08/13-08/17	111		0	0	0	0	0	0
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14[4]	111		0	0	0	0	0	0
Purse Seine Total				0	21	0	12,911	1,126	14,058

-Continued-

Appendix Table E4. Commercial catch of salmon by species and gear in the Coghill District (223), 1984 (continued).

Combined Gear

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
25	06/18-06/21[1]	87		90	18,897	2	8,387	10,828	38,204
26	06/25-06/29	111		95	21,477	73	49,395	22,392	93,432
27	07/02-07/06	111		38	23,211	23	145,675	34,689	203,636
28	07/09-07/13	111		63	14,170	101	142,972	64,777	222,083
29	07/16-07/20	111		32	7,843	210	271,220	81,547	360,852
30	07/23-07/27	111		25	1,996	67	152,198	36,761	191,047
31	07/30-08/04	Cont.		53	7,383	87	140,560	15,010	163,093
32	08/05-08/10	135		0	0	0	0	0	0
33	08/13-08/17	111		0	0	0	0	0	0
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14	111		0	0	0	0	0	0
Combined Gear Total				396	94,977	563	910,407	266,004	1,272,347

[1] The Coghill District (223) and the Unakwik Subdistrict of the Northern District (222) were open for fishing with drift gillnets at 6:00 a.m. on Monday, 18 June and continued on regular weekly fishing periods from 6:00 a.m. Monday through 9:00 p.m. Thursday.

[2] The weekly fishing period in Coghill and Unakwik was extended from 9:00 p.m. Thursday, 28 June to 9:00 p.m. Friday, 29 June. Regular weekly fishing periods remained on this schedule until later notice. The closed area at the mouth of the Coghill River was reduced effective 12:00 p.m., 26 June.

[3] Fishing was extended until further notice after 9:00 p.m. Friday night, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 11 August.

[4] All fishing districts in Prince William Sound were closed to salmon fishing in the 1984 season effective 9:00 p.m., 14 September.

[5] Purse seines may not be used in the Coghill District until the first Monday in July or until another district is opened to purse seine fishing.

[6] The season opened in all general purse seine districts at 6:00 a.m. on Monday 2 July and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

Appendix Table E5. Commercial catches of salmon in the Northwestern District (224) purse seine fishery in Prince William Sound, 1984.

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
27	07/02-07/06[1]	111		0	707	1	43,063	2,713	46,484
28	07/09-07/13	111		11	2,014	462	251,949	26,522	280,958
29	07/16-07/20	111		4	1,389	23	282,561	26,523	310,500
30	07/23-07/27	111		3	1,163	104	255,530	11,319	268,119
31	07/30-08/04[2]	Cont.		0	2,978	319	320,735	9,828	333,860
32	08/05-08/10	135		0	3,114	269	166,493	2,889	172,765
33	08/13-08/17	111		1	6,874	167	152,194	739	159,975
34	08/20-08/24	111		0	62	0	7,129	46	7,237
35	08/27-08/31[3]	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14	111		0	0	0	0	0	0
Total				19	18,301	1,345	1,479,654	80,579	1,579,898

[1] The season opened in all general purse seine districts at 6:00 a.m. on Monday 2 July and continued for regular weekly periods from 6:00 a.m. Monday through

[2] Fishing was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 13 August.

[3] Although no catches were reported after the last week in August the remainder of the general purse seine districts were officially closed for the season after 9:00 p.m. Friday, 14 September.

Appendix Table E6. Commercial catches of salmon by species and gear in the Eshamy District of Prince William Sound, 1984[1].

Drift Gillnet Catches

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
29	07/16-07/21[2]	Cont.		0	235	11	4,414	404	5,064
30	07/22-07/28[3]	Cont.		1	6,548	55	63,574	7,760	77,938
31	07/29-08/04[4]	Cont.		0	6,549	62	69,703	4,473	80,787
32	08/05-08/11	Cont.		6	7,040	71	54,308	2,577	64,002
33	08/12-08/18	Cont.		0	3,099	83	54,620	222	58,024
34	08/19-08/25	Cont.		0	19	0	707	15	741
35	08/26-09/01[5]	Cont.		0	0	0	0	0	0
36	09/02-09/08	Cont.		0	0	0	0	0	0
37	09/09-09/14	Cont.		0	0	0	0	0	0
Drift Gillnet Total				7	23,490	282	247,326	15,451	286,556

Set Gillnet Catches

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
29	07/16-07/21[2]	Cont.		0	597	11	9,079	388	10,075
30	07/22-07/28[3]	Cont.		0	2,278	0	21,584	917	24,779
31	07/29-08/04[4]	Cont.		1	5,449	19	44,218	948	50,635
32	08/05-08/11	Cont.		4	6,391	29	45,121	566	52,111
33	08/12-08/18	Cont.		0	7,312	36	79,611	160	87,119
34	08/19-08/25	Cont.		0	1,199	3	78,563	21	79,786
35	08/26-09/01[5]	Cont.		0	0	0	0	0	0
36	09/02-09/08	Cont.		0	0	0	0	0	0
37	09/09-09/14	Cont.		0	0	0	0	0	0
Set Gillnet Total				5	23,226	98	278,176	3,000	304,505

-Continued-

Appendix Table E6. Commercial catches of salmon by species and gear in the Eshamy District of Prince William Sound, 1984[1] (continued).

Combined Drift and Set Gillnet Catches

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
29	07/16-07/21	Cont.		0	832	22	13,493	792	15,139
30	07/22-07/28	Cont.		1	8,826	55	85,158	8,677	102,717
31	07/29-08/04	Cont.		1	11,998	81	113,921	5,421	131,422
32	08/05-08/11	Cont.		10	13,431	100	99,429	3,143	116,113
33	08/12-08/18	Cont.		0	10,411	119	134,231	382	145,143
34	08/19-08/25	Cont.		0	1,218	3	79,270	36	80,527
35	08/26-09/01	Cont.		0	0	0	0	0	0
36	09/02-09/08	Cont.		0	0	0	0	0	0
37	09/09-09/14	Cont.		0	0	0	0	0	0
Combined Drift and Set Gillnet Total				12	46,716	380	525,502	18,451	591,061

[1] The set and gillnet fisheries are in the same areas and are concurrent. Purse seine fishing is prohibited in the Eshamy District.

[2] The Main Bay area of the Eshamy District adjacent to the state hatchery was opened for continuous seven-day per week fishing throughout the season after 6:00 a.m. Monday, 16 July.

[3] The entire Eshamy District was opened for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday after 23 July.

[4] The entire Eshamy District was opened to continuous seven-day per week fishing from 9:00 p.m. Friday, 3 August until 9:00 p.m. Friday, 10 August. Regular weekly periods resumed thereafter.

[5] No catches were reported after 25 August, however, the district was not officially closed until the end of the regular weekly period at 9:00 p.m. on Friday, 14 September.

Appendix Table E7. Commercial catches of salmon in the Southwestern District (226) purse seine fishery of Prince William Sound, 1984.

Week	Fishing Period	Hours	Effort	Catch by Species					
				Chinook	Sockeye	Coho	Pink	Chum	Total
27	07/02-07/06[1]	111		1	2,351	4	148,872	3,319	154,547
28	07/09-07/13	111		2	10,624	43	604,712	19,133	634,514
29	07/16-07/20	111		4	13,361	91	1,202,101	20,915	1,236,472
30	07/23-07/27	111		17	20,018	317	2,298,718	43,947	2,363,017
31	07/30-08/04[2,3]	Cont.		3	23,799	698	1,866,999	24,967	1,916,466
32	08/05-08/10	135		3	23,871	1,979	2,090,726	18,372	2,134,951
33	08/13-08/17	111		1	18,134	1,303	1,890,474	13,075	1,922,987
34	08/20-08/24	111		0	8,921	320	516,206	2,385	527,832
35	08/27-08/31	111		0	516	215	77,708	448	78,887
36	09/03-09/07[4]	111		0	0	0	0	0	0
37	09/10-09/14	111		0	0	0	0	0	0
Total				31	121,595	4,970	10,696,516	146,561	10,969,673

[1] The season opened in all general purse seine districts at 6:00 a.m. on Monday 2 July and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

[2] Fishing was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 13 August.

[3] A portion of the San Juan Subdistrict was closed for the duration of the season after 9:00 p.m. Saturday, 4 August.

[4] Although no catches were reported after the last week in August the remainder of the general purse seine districts were officially closed for the season after 9:00 p.m. Friday, 14 September.

Appendix Table E8. Commercial catches of salmon in the Montague District (227) purse seine fishery of Prince William Sound, 1984.

Week	Fishing Period	Hours	Effort	Catch by Species					Total
				Chinook	Sockeye	Coho	Pink	Chum	
27	07/02-07/06[1]	111		0	0	0	0	0	0
28	07/09-07/13	111		0	0	0	0	0	0
29	07/16-07/20	111		0	0	0	0	0	0
30	07/23-07/27	111		0	0	0	296	20	316
31	07/30-08/04[2]	Cont.		0	33	0	4,200	61	4,294
32	08/05-08/10	135		0	36	22	7,091	0	7,149
33	08/13-08/17	111		0	0	0	0	0	0
34	08/20-08/24	111		0	0	0	0	0	0
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14[3]	111		0	0	0	0	0	0
Total				0	69	22	11,587	81	11,759

[1] The season opened in all general purse seine districts at 6:00 a.m. on Monday 2 July and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

[2] Fishing was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 a.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 13 August.

[3] All fishing districts in Prince William Sound were closed to salmon fishing in the 1984 season effective 9:00 p.m. 14 September.

Appendix Table E9. Commercial catches of salmon in the Southern District (228) purse seine fishery of Prince William Sound, 1984.

Week	Fishing Period	Hours	Effort	Catch by Species					
				Chinook	Sockeye	Coho	Pink	Chum	Total
27	07/02-07/06[1]	111		0	0	0	0	0	0
28	07/09-07/13	111		0	0	0	0	0	0
29	07/16-07/20	111		0	1	0	13,334	321	13,656
30	07/23-07/27	111		0	239	127	277,618	15,189	293,173
31	07/30-08/04[2]	Cont.		3	669	14	415,356	21,082	437,124
32	08/05-08/10	135		0	418	206	347,278	11,753	359,655
33	08/13-08/17	111		0	507	183	249,317	10,704	260,711
34	08/20-08/24	111		0	0	11	3,412	1	3,424
35	08/27-08/31	111		0	0	0	0	0	0
36	09/03-09/07	111		0	0	0	0	0	0
37	09/10-09/14[3]	111		0	0	0	0	0	0
Total				3	1,834	541	1,306,315	59,050	1,367,743

[1] The season opened in all general purse seine districts at 6:00 a.m. on Monday, 2 July and continued for regular weekly periods from 6:00 a.m. Monday through 9:00 p.m. Friday. The only exception was a special closure of Wells Bay in the Northern District.

[2] Fishing was extended until further notice after 9:00 p.m. Friday, 3 August and remained in effect through 9:00 p.m. Friday, 10 August. Regular Monday through Friday periods resumed after Monday, 13 August.

[3] All fishing districts in Prince William Sound were closed to salmon fishing in the 1984 season effective 9:00 p.m., 4 September.

Appendix Table E10. Estimated age and sex composition of sockeye salmon in the commercial catches from the drift gillnet fishery in the Northern District, Unakwik Subdistrict (222-50) in Prince William Sound, 1984.

		Brood Year and Age Group							
		1980	1979		1978			1977	
		1.2	1.3	2.2	1.4	2.3	3.2	3.3	Total
Stratum Dates:	6/17 - 6/30								
Sample Dates:	6/18 - 6/21								
Sample Size:	583								
Female	Percent of Sample	1.5	54.2	0.5	0.2	3.3	0.0	0.0	59.7
	Number in Catch	124	4,484	41	17	273	0	0	4,939
Male	Percent of Sample	2.9	33.4	0.5	0.2	3.1	0.2	0.0	40.3
	Number in Catch	240	2,764	41	17	257	17	0	3,336
Total	Percent of Sample	4.4	87.6	1.0	0.4	6.4	0.2	0.0	100.0
	Number in Catch	364	7,248	82	34	530	17	0	8,275
	Standard Error	70	113	34	22	84	15	0	
Stratum Dates:	7/01 - 8/04								
Sample Dates:	7/02 - 7/06								
Sample Size:	577								
Female	Percent of Sample	2.1	37.4	1.7	0.0	13.6	0.2	0.3	55.3
	Number in Catch	215	3,829	174	0	1,393	20	31	5,662
Male	Percent of Sample	2.8	31.0	0.0	0.0	10.7	0.0	0.2	44.7
	Number in Catch	287	3,174	0	0	1,095	0	20	4,576
Total	Percent of Sample	4.9	68.4	1.7	0.0	24.3	0.2	0.5	100.0
	Number in Catch	502	7,003	174	0	2,488	20	51	10,238
	Standard Error	92	198	55	0	183	19	30	
Strata Combined:	6/17 - 8/04								
Sample Dates:	6/18 - 7/06								
Sample Size:	1,160								
Female	Percent of Catch	1.8	44.9	1.2	0.1	9.0	0.1	0.2	57.3
	Number in Catch	339	8,313	215	17	1,666	20	31	10,601
Male	Percent of Catch	2.8	32.1	0.2	0.1	7.3	0.1	0.1	42.7
	Number in Catch	527	5,938	41	17	1,352	17	20	7,912
Total	Percent of Catch	4.7	77.0	1.4	0.2	16.3	0.2	0.3	100.0
	Number in Catch	866	14,251	256	34	3,018	37	51	18,513
	Standard Error	116	228	65	22	201	24	30	

Appendix Table E11. Estimated age and sex composition of the sockeye salmon in the commercial catches in the Coghill District (223) and drift gillnet fishery in Prince William Sound, 1984.

		Brood Year and Age Group							
		1981	1980		1979		1978		
		0.2	0.3	1.2	1.3	2.2	2.3	3.2	Total
Stratum Dates:	6/17 - 6/23								
Sample Dates:	6/18 - 6/21								
Sample Size:	553								
Female	Percent of Sample	0.0	0.5	3.4	48.2	2.2	4.0	0.0	58.3
	Number in Catch	0	94	642	9,108	416	756	0	11,016
Male	Percent of Sample	0.2	0.2	6.9	29.7	1.4	3.3	0.0	41.7
	Number in Catch	38	38	1,304	5,612	265	624	0	7,881
Total	Percent of Sample	0.2	0.7	10.3	77.9	3.6	7.3	0.0	100.0
	Number in Catch	38	132	1,946	14,720	681	1,380	0	18,897
	Standard Error	36	67	244	334	150	209	0	
Stratum Dates:	6/24 - 6/30								
Sample Dates:	6/25 - 6/29								
Sample Size:	559								
Female	Percent of Sample	0.2	0.5	5.0	45.4	2.0	2.5	0.0	55.6
	Number in Catch	43	107	1,074	9,750	430	537	0	11,941
Male	Percent of Sample	0.2	0.4	9.8	29.5	1.6	2.9	0.0	44.4
	Number in Catch	43	86	2,105	6,336	343	623	0	9,536
Total	Percent of Sample	0.4	0.9	14.8	74.9	3.6	5.4	0.0	100.0
	Number in Catch	86	193	3,179	16,086	773	1,160	0	21,477
	Standard Error	57	86	323	394	169	205	0	
Stratum Dates:	7/01 - 7/07								
Sample Dates:	7/02 - 7/06								
Sample Size:	601								
Female	Percent of Sample	0.2	0.5	5.0	40.9	1.3	2.3	0.2	50.4
	Number in Catch	46	116	1,160	9,485	301	533	46	11,687
Male	Percent of Sample	0.0	0.2	10.6	34.6	1.2	3.0	0.0	49.6
	Number in Catch	0	46	2,458	8,024	279	696	0	11,503
Total	Percent of Sample	0.2	0.7	15.6	75.5	2.5	5.3	0.2	100.0
	Number in Catch	46	162	3,618	17,509	580	1,229	46	23,190
	Standard Error	42	79	344	407	148	212	42	

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Appendix Table E11. Estimated age and sex composition of the sockeye salmon in the commercial catches in the Coghill District (223) drift gillnet fishery in Prince William Sound, 1984 (continued).

		Brood Year and Age Group							
		1981	1980		1979		1978		
		0.2	0.3	1.2	1.3	2.2	2.3	3.2	Total
Stratum Dates:	7/08 - 9/15								
Sample Dates:	7/09 - 7/13								
Sample Size:	572								
Female	Percent of Sample	0.3	0.3	6.8	41.5	0.9	3.0	0.0	52.8
	Number in Catch	94	94	2,135	13,027	283	942	0	16,575
Male	Percent of Sample	0.0	0.0	8.2	33.1	3.3	2.6	0.0	47.2
	Number in Catch	0	0	2,574	10,391	1,036	816	0	14,817
Total	Percent of Sample	0.3	0.3	15.0	74.6	4.2	5.6	0.0	100.0
	Number in Catch	94	94	4,709	23,418	1,319	1,758	0	31,392
	Standard Error	72	72	469	572	264	302	0	
Strata Combined:	6/17 - 9/15								
Sample Dates:	6/18 - 7/13								
Sample Size:	2,285								
Female	Percent of Catch	0.2	0.4	5.3	43.6	1.5	2.9	.0	53.9
	Number in Catch	183	411	5,011	41,370	1,430	2,768	46	51,219
Male	Percent of Catch	0.1	0.2	8.9	32.0	2.0	2.9	0.0	46.1
	Number in Catch	81	170	8,441	30,363	1,923	2,759	0	43,737
Total	Percent of Catch	0.3	0.6	14.2	75.5	3.5	5.8	.0	100.0
	Number in Catch	264	581	13,452	71,733	3,353	5,527	46	94,956
	Standard Error	107	153	709	872	377	471	42	

Appendix Table E12. Estimated age and sex composition of the sockeye salmon in commercial catches in the Eshamy District (225) set and drift gillnet fisheries in Prince William Sound, 1984.

		Brood Year and Age Group								
		1981		1980		1979			1978	
		0.2	0.3	1.2	2.1	1.3	2.2	3.1	2.3	Total
Stratum Dates:	7/15 - 7/28									
Sample Dates:	7/23 - 7/27									
Sample Size:	602									
Female	Percent of Sample	0.0	0.3	52.1	0.0	2.2	1.7	0.0	0.2	56.5
	Number in Catch	0	29	5,033	0	213	164	0	19	5,458
Male	Percent of Sample	0.2	0.0	38.5	0.0	2.3	2.3	0.0	0.2	43.5
	Number in Catch	19	0	3,718	0	222	222	0	19	4,200
Total	Percent of Sample	0.2	0.3	90.6	0.0	4.5	4.0	0.0	0.4	100.0
	Number in Catch	19	29	8,751	0	435	386	0	38	9,658
	Standard Error	18	22	115	0	82	77	0	25	
Stratum Dates:	7/29 - 8/04									
Sample Dates:	7/30 - 8/04									
Sample Size:	476									
Female	Percent of Sample	0.0	0.0	49.1	0.0	0.6	3.2	0.0	0.0	52.9
	Number in Catch	0	0	5,891	0	72	384	0	0	6,347
Male	Percent of Sample	0.0	0.0	45.2	0.0	0.6	1.1	0.0	0.2	47.1
	Number in Catch	0	0	5,423	0	72	132	0	24	5,651
Total	Percent of Sample	0.0	0.0	94.3	0.0	1.2	4.3	0.0	0.2	100.0
	Number in Catch	0	0	11,314	0	144	516	0	24	11,998
	Standard Error	0	0	128	0	60	112	0	25	
Stratum Dates:	8/05 - 8/11									
Sample Dates:	8/05 - 8/11									
Sample Size:	612									
Female	Percent of Sample	0.0	0.0	43.4	0.0	0.2	7.5	0.0	0.0	51.1
	Number in Catch	0	0	5,830	0	27	1,007	0	0	6,864
Male	Percent of Sample	0.0	0.0	42.8	0.0	0.5	5.2	0.2	0.2	48.9
	Number in Catch	0	0	5,748	0	67	698	27	27	6,567
Total	Percent of Sample	0.0	0.0	86.2	0.0	0.7	12.7	0.2	0.2	100.0
	Number in Catch	0	0	11,578	0	94	1,705	27	27	13,431
	Standard Error	0	0	187	0	45	181	24	24	

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Appendix Table E12. Estimated age and sex composition of the sockeye salmon in commercial catches in the Eshamy District (225) set and drift gillnet fisheries in Prince William Sound, 1984 (continued).

		Brood Year and Age Group								
		1981	1980			1979			1978	
		0.2	0.3	1.2	2.1	1.3	2.2	3.1	2.3	Total
Stratum Dates:	8/12 - 9/15									
Sample Dates:	8/12 - 8/17									
Sample Size:	638									
Female	Percent of Sample	0.0	0.0	39.8	0.2	1.7	5.5	0.0	0.0	47.2
	Number in Catch	0	0	4,628	23	198	640	0	0	5,489
Male	Percent of Sample	0.0	0.0	47.2	0.2	0.6	4.6	0.0	0.2	52.8
	Number in Catch	0	0	5,489	23	70	535	0	23	6,140
Total	Percent of Sample	0.0	0.0	87.0	0.4	2.3	10.1	0.0	0.2	100.0
	Number in Catch	0	0	10,117	46	268	1,175	0	23	11,629
	Standard Error	0	0	155	29	69	139	0	21	
Strata Combined:	7/15 - 9/15									
Sample Dates:	7/23 - 9/15									
Sample Size:	2,328									
Female	Percent of Catch	0.0	0.1	45.8	.0	1.1	4.7	0.0	.0	51.7
	Number in Catch	0	29	21,382	23	510	2,195	0	19	24,158
Male	Percent of Catch	.0	0.0	43.6	.0	0.9	3.4	0.1	0.2	48.3
	Number in Catch	19	0	20,378	23	431	1,587	27	93	22,558
Total	Percent of Catch	.0	0.1	89.4	0.1	2.0	8.1	0.1	0.2	100.0
	Number in Catch	19	29	41,760	46	941	3,782	27	112	46,716
	Standard Error	18	22	298	29	131	265	24	47	

Appendix Table E13. Estimated age and sex composition of sockeye salmon in the commercial catches from the General District purse seine fisheries in Prince William Sound, 1984[1].

		Brood Year and Age Group									
		1981	1980			1979		1978			
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	Total
Stratum Dates:	7/01 - 7/28										
Sample Dates:	7/23 - 7/27										
Sample Size:	570										
Female	Percent of Sample	0.0	0.2	36.5	0.0	3.8	7.0	0.2	1.1	0.0	48.8
	Number in Catch	0	114	20,751	0	2,160	3,980	114	625	0	27,744
Male	Percent of Sample	0.2	0.0	37.0	0.0	4.3	7.9	0.0	1.4	0.4	51.2
	Number in Catch	114	0	21,034	0	2,445	4,491	0	796	227	29,107
Total	Percent of Sample	0.2	0.2	73.5	0.0	8.1	14.9	0.2	2.5	0.4	100.0
	Number in Catch	114	114	41,785	0	4,605	8,471	114	1,421	227	56,851
	Standard Error	106	106	1,052	0	650	849	106	372	150	
Stratum Dates:	7/29 - 8/11										
Sample Dates:	7/30 - 8/03										
Sample Size:	463										
Female	Percent of Sample	0.6	0.0	38.5	0.2	7.6	7.8	0.0	0.9	0.4	56.0
	Number in Catch	356	0	22,853	119	4,511	4,630	0	534	237	33,240
Male	Percent of Sample	0.0	0.0	33.3	0.4	5.2	3.2	0.0	1.9	0.0	44.0
	Number in Catch	0	0	19,765	237	3,086	1,899	0	1,128	0	26,115
Total	Percent of Sample	0.6	0.0	71.8	0.6	12.8	11.0	0.0	2.8	0.4	100.0
	Number in Catch	356	0	42,618	356	7,597	6,529	0	1,662	237	59,355
	Standard Error	213	0	1,243	213	923	864	0	456	174	
Stratum Dates:	8/12 - 9/15										
Sample Dates:	8/13 - 8/17										
Sample Size:	644										
Female	Percent of Sample	0.0	0.0	41.8	0.2	0.5	6.1	0.0	0.3	0.0	48.9
	Number in Catch	0	0	14,853	71	178	2,167	0	107	0	17,376
Male	Percent of Sample	0.2	0.2	43.7	0.5	0.9	5.6	0.0	0.0	0.0	51.1
	Number in Catch	71	71	15,528	178	320	1,990	0	0	0	18,158
Total	Percent of Sample	0.2	0.2	85.5	0.7	1.4	11.7	0.0	0.3	0.0	100.0
	Number in Catch	71	71	30,381	249	498	4,157	0	107	0	35,534
	Standard Error	63	63	493	117	165	450	0	77	0	

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Appendix Table E13. Estimated age and sex composition of sockeye salmon in the commercial catches from the General District purse seine fisheries in Prince William Sound, 1984[1](continued).

		Brood Year and Age Group								
		1981	1980		1979		1978			
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	Total
Strata Combined:	7/01 - 9/15										
Sample Dates:	7/23 - 8/17										
Sample Size:	1,677										
Female	Percent of Catch	0.2	0.1	38.5	0.1	4.5	7.1	0.1	0.8	0.2	51.6
	Number in Catch	356	114	58,457	190	6,849	10,777	114	1,266	237	78,360
Male	Percent of Catch	0.1	.0	37.1	0.3	3.9	5.5	0.0	1.3	0.1	48.4
	Number in Catch	185	71	56,327	415	5,851	8,380	0	1,924	227	73,380
Total	Percent of Catch	0.4	0.1	75.6	0.4	8.4	12.6	0.1	2.1	0.3	100.0
	Number in Catch	541	185	114,784	605	12,700	19,157	114	3,190	464	151,740
	Standard Error	246	124	1,701	243	1,141	1,292	106	593	230	

[1] Includes catches from the Eastern (221), Northern (222), Coghill (223), Northwestern (224), Southwestern (226), Montague (227), and Southeastern Districts. The sample in each stratum was taken on an as available basis from many tenders and is approximately weighted relative to the catch in each district.

Appendix Table E14. Estimated age and sex composition of coho salmon commercial catch in the General District purse seine fishery in Prince William Sound, 1984.

		Brood Year and Age Group					
		1981		1980		1979	
		1.1	2.0	1.2	2.1	3.1	Total
Stratum Dates:	7/01 - 9/15						
Sample Dates:	8/11 - 8/17						
Sample Size:	128						
Female	**Percent of Sample**	21.0	0.0	0.8	25.0	3.9	50.7
	Number in Catch	2,410	0	92	2,869	447	5,818
Male	**Percent of Sample**	18.8	0.8	0.0	28.1	1.6	49.3
	Number in Catch	2,158	92	0	3,225	184	5,659
Total	**Percent of Sample**	39.8	0.8	0.8	53.1	5.5	100.0
	Number in Catch	4,568	92	92	6,094	631	11,477
	Standard Error	497	90	90	506	231	

Appendix Table E15. Estimated age and sex composition of chum salmon in the commercial catches from the Coghill District (223) drift gillnet fishery in Prince William Sound, 1984.

		Brood Year and Age Group				
		1981	1980	1979	1978	
		0.2	0.3	0.4	0.5	Total
Stratum Dates:	6/17 - 6/23					
Sample Dates:	6/18 - 6/21					
Sample Size:	209					
Female	Percent of Sample	2.4	50.6	9.1	2.4	64.5
	Number in Catch	260	5,479	985	260	6,984
Male	Percent of Sample	1.0	26.8	7.2	0.5	35.5
	Number in Catch	108	2,902	780	54	3,844
Total	Percent of Sample	3.4	77.4	16.3	2.9	100.0
	Number in Catch	368	8,381	1,765	314	10,828
	Standard Error	136	314	277	126	
Stratum Dates:	6/24 - 6/30					
Sample Dates:	6/25 - 6/29					
Sample Size:	387					
Female	Percent of Sample	1.8	50.1	8.5	0.8	61.2
	Number in Catch	403	11,219	1,903	179	13,704
Male	Percent of Sample	1.3	30.8	5.9	0.8	38.8
	Number in Catch	291	6,897	1,321	179	8,688
Total	Percent of Sample	3.1	80.9	14.4	1.6	100.0
	Number in Catch	694	18,116	3,224	358	22,392
	Standard Error	198	448	400	143	
Stratum Dates:	7/01 - 7/07					
Sample Dates:	7/02 - 7/06					
Sample Size:	372					
Female	Percent of Sample	1.3	42.3	6.7	0.5	50.8
	Number in Catch	436	14,197	2,249	168	17,050
Male	Percent of Sample	3.0	36.8	8.9	0.5	49.2
	Number in Catch	1,007	12,351	2,987	168	16,513
Total	Percent of Sample	4.3	79.1	15.6	1.0	100.0
	Number in Catch	1,443	26,548	5,236	336	33,563
	Standard Error	353	708	632	173	

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Appendix Table E15. Estimated age and sex composition of chum salmon in the commercial catches from the Coghill District (223) drift gillnet fishery in Prince William Sound, 1984 (continued).

		Brood Year and Age Group				
		1981	1980	1979	1978	
		0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/08 - 7/14					
Sample Dates:	7/09 - 7/13					
Sample Size:	380					
Female	Percent of Sample	3.2	46.3	5.5	0.0	55.0
	Number in Catch	2,073	29,991	3,563	0	35,627
Male	Percent of Sample	3.9	34.2	6.9	0.0	45.0
	Number in Catch	2,526	22,154	4,470	0	29,150
Total	Percent of Sample	7.1	80.5	12.4	0.0	100.0
	Number in Catch	4,599	52,145	8,033	0	64,777
	Standard Error	855	1,318	1,097	0	
Stratum Dates:	7/15 - 7/21					
Sample Dates:	7/16 - 7/20					
Sample Size:	372					
Female	Percent of Sample	9.2	48.1	7.5	0.0	64.8
	Number in Catch	7,502	39,225	6,116	0	52,843
Male	Percent of Sample	3.5	28.2	3.5	0.0	35.2
	Number in Catch	2,854	22,996	2,854	0	28,704
Total	Percent of Sample	12.7	76.3	11.0	0.0	100.0
	Number in Catch	10,356	62,221	8,970	0	81,547
	Standard Error	1,410	1,800	1,325	0	
Stratum Dates:	7/22 - 7/28					
Sample Dates:	7/23 - 7/27					
Sample Size:	432					
Female	Percent of Sample	8.1	40.3	5.1	0.2	53.7
	Number in Catch	2,978	14,814	1,875	74	19,741
Male	Percent of Sample	8.1	31.2	6.3	0.7	46.3
	Number in Catch	2,978	11,469	2,316	257	17,020
Total	Percent of Sample	16.2	71.5	11.4	0.9	100.0
	Number in Catch	5,956	26,283	4,191	331	36,761
	Standard Error	652	799	563	167	

-Continued-

Appendix Table E15. Estimated age and sex composition of chum salmon in the commercial catches from the Coghill District (223) drift gillnet fishery in Prince William Sound, 1984 (continued).

		Brood Year and Age Group				
		1981	1980	1979	1978	
		0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/29 - 9/15					
Sample Dates:	8/04 - 8/11					
Sample Size:	277					
Female	Percent of Sample	25.6	29.2	4.7	0.0	59.5
	Number in Catch	3,843	4,383	705	0	8,931
Male	Percent of Sample	19.9	17.7	2.9	0.0	40.5
	Number in Catch	2,987	2,657	435	0	6,079
Total	Percent of Sample	45.5	46.9	7.6	0.0	100.0
	Number in Catch	6,830	7,040	1,140	0	15,010
	Standard Error	450	451	239	0	
Strata Combined:	6/17 - 9/15					
Sample Dates:	6/18 - 8/11					
Sample Size:	2,429					
Female	Percent of Catch	6.6	45.0	6.6	0.3	58.5
	Number in Catch	17,495	119,308	17,396	681	154,880
Male	Percent of Catch	4.8	30.7	5.7	0.2	41.5
	Number in Catch	12,751	81,426	15,163	658	109,998
Total	Percent of Catch	11.4	75.8	12.3	0.5	100.0
	Number in Catch	30,246	200,734	32,559	1,339	264,878
	Standard Error	1,878	2,573	1,992	307	

Appendix Table E16. Estimated age and sex composition of the chum salmon in the commercial catches in the Eshamy District (225) drift and set gillnet fisheries of Prince William Sound, 1984.

		Brood Year and Age Group				
		1981	1980	1979	1978	
		0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/15 - 7/28					
Sample Dates:	7/23 - 7/27					
Sample Size:	372					
Female	Percent of Sample	9.1	38.8	11.8	0.0	59.7
	Number in Catch	743	3,168	963	0	4,874
Male	Percent of Sample	8.9	22.8	8.3	0.3	40.3
	Number in Catch	727	1,861	678	24	3,290
Total	Percent of Sample	18.0	61.6	20.1	0.3	100.0
	Number in Catch	1,470	5,029	1,641	24	8,164
	Standard Error	163	206	170	23	
Stratum Dates:	7/29 - 9/15					
Sample Dates:	8/04 - 8/11					
Sample Size:	334					
Female	Percent of Sample	21.3	27.7	4.5	0.3	53.8
	Number in Catch	1,552	2,018	328	22	3,920
Male	Percent of Sample	17.4	24.6	4.2	0.0	46.2
	Number in Catch	1,268	1,793	306	0	3,367
Total	Percent of Sample	38.7	52.3	8.7	0.3	100.0
	Number in Catch	2,820	3,811	634	22	7,287
	Standard Error	194	199	113	22	
Strata Combined:	7/15 - 9/15					
Sample Dates:	7/23 - 7/27					
Sample Size:	706					
Female	Percent of Catch	14.9	33.6	8.4	0.1	56.9
	Number in Catch	2,295	5,186	1,291	22	8,794
Male	Percent of Catch	12.9	23.6	6.4	0.2	43.1
	Number in Catch	1,995	3,654	984	24	6,657
Total	Percent of Catch	27.8	57.2	14.7	0.3	100.0
	Number in Catch	4,290	8,840	2,275	46	15,451
	Standard Error	254	287	204	32	

Appendix Table E17. Estimated age and sex composition of chum salmon in the commercial catches in the Eastern District purse seine fishery of Prince William Sound, 1984.

		Brood Year and Age Group					
		1982	1981	1980	1979	1978	
		0.1	0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/01 - 7/28						
Sample Dates:	7/23 - 7/27						
Sample Size:	401						
Female	Percent of Sample	0.0	3.7	40.2	7.5	0.2	51.6
	Number in Catch	0	4,925	53,509	9,983	266	68,683
Male	Percent of Sample	0.0	3.2	39.2	6.0	0.0	48.4
	Number in Catch	0	4,259	52,178	7,987	0	64,424
Total	Percent of Sample	0.0	6.9	79.4	13.5	0.2	100.0
	Number in Catch	0	9,184	105,687	17,970	266	133,107
	Standard Error	0	1,687	2,692	2,274	297	
Stratum Dates:	7/29 - 8/04						
Sample Dates:	7/30 - 8/04						
Sample Size:	419						
Female	Percent of Sample	0.0	6.7	38.7	4.8	0.2	50.4
	Number in Catch	0	5,448	31,469	3,903	162	40,982
Male	Percent of Sample	0.0	11.2	32.2	5.7	0.5	49.6
	Number in Catch	0	9,107	26,183	4,635	407	40,332
Total	Percent of Sample	0.0	17.9	70.9	10.5	0.7	100.0
	Number in Catch	0	14,555	57,652	8,538	569	81,314
	Standard Error	0	1,525	1,807	1,219	332	
Stratum Dates:	8/05 - 8/11						
Sample Dates:	8/04 - 8/11						
Sample Size:	412						
Female	Percent of Sample	0.0	13.1	38.9	3.6	0.0	55.6
	Number in Catch	0	11,310	33,584	3,108	0	48,002
Male	Percent of Sample	0.0	12.1	27.0	5.1	0.2	44.4
	Number in Catch	0	10,447	23,310	4,403	173	38,333
Total	Percent of Sample	0.0	25.2	65.9	8.7	0.2	100.0
	Number in Catch	0	21,757	56,894	7,511	173	86,335
	Standard Error	0	1,849	2,019	1,200	190	

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Appendix Table E17. Estimated age and sex composition of chum salmon in the commercial catches in the Eastern District purse seine fishery of Prince William Sound, 1984 (continued).

		Brood Year and Age Group					
		1982	1981	1980	1979	1978	
		0.1	0.2	0.3	0.4	0.5	Total
Stratum Dates:	8/12 - 9/15						
Sample Dates:	8/11 - 8/17						
Sample Size:	446						
Female	Percent of Sample	0.0	11.7	40.7	4.5	0.2	57.1
	Number in Catch	0	10,792	37,543	4,151	184	52,670
Male	Percent of Sample	0.2	14.8	24.5	3.4	0.0	42.9
	Number in Catch	184	13,652	22,600	3,136	0	39,572
Total	Percent of Sample	0.2	26.5	65.2	7.9	0.2	100.0
	Number in Catch	184	24,444	60,143	7,287	184	92,242
	Standard Error	195	1,930	2,083	1,179	195	
Strata Combined:	7/01 - 9/15						
Sample Dates:	7/23 - 8/17						
Sample Size:	1,678						
Female	Percent of Catch	0.0	8.3	39.7	5.4	0.2	53.5
	Number in Catch	0	32,475	156,105	21,145	612	210,337
Male	Percent of Catch	.0	9.5	31.6	5.1	0.1	46.5
	Number in Catch	184	37,465	124,271	20,161	580	182,661
Total	Percent of Catch	.0	17.8	71.3	10.5	0.3	100.0
	Number in Catch	184	69,940	280,376	41,306	1,192	392,998
	Standard Error	195	3,509	4,350	3,081	522	

Appendix Table E18. Estimated age and sex composition of chum salmon in the commercial catches in the Northern District purse seine fishery of Prince William Sound, 1984[1].

		Brood Year and Age Group					
		1982	1981	1980	1979	1978	
		0.1	0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/01 - 7/21						
Sample Dates:	7/16 - 7/20						
Sample Size:	358						
Female	Percent of Sample	0.0	2.5	22.3	14.0	0.6	39.4
	Number in Catch	0	2,229	19,887	12,485	535	35,136
Male	Percent of Sample	0.0	3.9	36.3	20.4	0.0	60.6
	Number in Catch	0	3,478	32,372	18,192	0	54,042
Total	Percent of Sample	0.0	6.4	58.6	34.4	0.6	100.0
	Number in Catch	0	5,707	52,259	30,677	535	89,178
	Standard Error	0	1,155	2,325	2,242	364	
Stratum Dates:	7/22 - 7/28						
Sample Dates:	7/23 - 7/27						
Sample Size:	403						
Female	Percent of Sample	0.0	5.0	42.4	6.0	0.0	53.4
	Number in Catch	0	3,659	31,025	4,390	0	39,074
Male	Percent of Sample	0.0	6.2	33.7	6.5	0.2	46.6
	Number in Catch	0	4,537	24,659	4,756	146	34,098
Total	Percent of Sample	0.0	11.2	76.1	12.5	0.2	100.0
	Number in Catch	0	8,196	55,684	9,146	146	73,172
	Standard Error	0	1,151	1,556	1,207	163	
Stratum Dates:	7/29 - 8/04						
Sample Dates:	7/30 - 8/04						
Sample Size:	410						
Female	Percent of Sample	0.0	8.8	44.0	2.4	0.0	55.2
	Number in Catch	0	4,654	23,270	1,269	0	29,193
Male	Percent of Sample	0.0	9.3	32.9	2.4	0.2	44.8
	Number in Catch	0	4,918	17,401	1,269	106	23,694
Total	Percent of Sample	0.0	18.1	76.9	4.8	0.2	100.0
	Number in Catch	0	9,572	40,671	2,538	106	52,887
	Standard Error	0	1,007	1,102	559	117	

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Appendix Table E18. Estimated age and sex composition of chum salmon in the commercial catches in the Northern District purse seine fishery of Prince William Sound, 1984[1] (continued).

		Brood Year and Age Group					
		1982	1981	1980	1979	1978	
		0.1	0.2	0.3	0.4	0.5	Total
Stratum Dates:	8/05 - 8/11						
Sample Dates:	8/05 - 8/11						
Sample Size:	404						
Female	Percent of Sample	0.0	14.1	25.5	3.0	0.2	42.8
	Number in Catch	0	1,509	2,729	321	21	4,580
Male	Percent of Sample	0.0	22.0	32.2	3.0	0.0	57.2
	Number in Catch	0	2,355	3,447	321	0	6,123
Total	Percent of Sample	0.0	36.1	57.7	6.0	0.2	100.0
	Number in Catch	0	3,864	6,176	642	21	10,703
	Standard Error	0	256	263	127	24	
Stratum Dates:	8/12 - 9/15						
Sample Dates:	8/12 - 8/17						
Sample Size:	164						
Female	Percent of Sample	0.6	20.1	40.8	3.7	0.0	65.2
	Number in Catch	1	34	68	6	0	109
Male	Percent of Sample	0.0	11.6	22.0	1.2	0.0	34.8
	Number in Catch	0	19	37	2	0	58
Total	Percent of Sample	0.6	31.7	62.8	4.9	0.0	100.0
	Number in Catch	1	53	105	8	0	167
	Standard Error	1	6	6	3	0	
Strata Combined:	7/01 - 9/15						
Sample Dates:	7/15 - 8/17						
Sample Size:	1,739						
Female	Percent of Catch	.0	5.3	34.0	8.2	0.2	47.8
	Number in Catch	1	12,085	76,979	18,471	556	108,092
Male	Percent of Catch	0.0	6.8	34.5	10.9	0.1	52.2
	Number in Catch	0	15,307	77,916	24,540	252	118,015
Total	Percent of Catch	.0	12.1	68.5	19.0	0.4	100.0
	Number in Catch	1	27,392	154,895	43,011	808	226,107
	Standard Error	1	1,934	3,018	2,610	417	

[1] Age and sex composition data are from a systematic, stratified sampling program and catch data are from preliminary fish ticket summaries. Special hatchery harvests are not included in the catch data.

Appendix Table E19. Estimated age and sex composition of chum salmon in the commercial catches from the Northwestern District purse seine fishery in Prince William Sound, 1984.

		Brood Year and Age Group					
		1982	1981	1980	1979	1978	
		0.1	0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/01 - 8/04						
Sample Dates:	7/30 - 8/04						
Sample Size:	400						
Female	Percent of Sample	0.0	5.3	23.7	21.0	0.3	50.3
	Number in Catch	0	3,555	15,898	14,086	201	33,740
Male	Percent of Sample	0.3	6.8	20.4	22.2	0.0	49.7
	Number in Catch	201	4,561	13,684	14,891	0	33,337
Total	Percent of Sample	0.3	12.1	44.1	43.2	0.3	100.0
	Number in Catch	201	8,116	29,582	28,977	201	67,077
	Standard Error	184	1,095	1,667	1,663	184	
Stratum Dates:	8/05 - 8/11						
Sample Dates:	8/05 - 8/11						
Sample Size:	267						
Female	Percent of Sample	0.0	24.3	22.4	7.9	0.7	55.3
	Number in Catch	0	2,389	2,201	776	69	5,435
Male	Percent of Sample	0.0	25.5	13.9	4.9	0.4	44.7
	Number in Catch	0	2,506	1,366	482	39	4,393
Total	Percent of Sample	0.0	49.8	36.3	12.8	1.1	100.0
	Number in Catch	0	4,895	3,567	1,258	108	9,828
	Standard Error	0	301	290	201	63	
Stratum Dates:	8/12 - 9/15						
Sample Dates:	8/12 - 8/17						
Sample Size:	73						
Female	Percent of Sample	0.0	23.3	8.2	9.6	0.0	41.1
	Number in Catch	0	856	301	353	0	1,510
Male	Percent of Sample	0.0	30.2	16.4	12.3	0.0	58.9
	Number in Catch	0	1,109	603	452	0	2,164
Total	Percent of Sample	0.0	53.5	24.6	21.9	0.0	100.0
	Number in Catch	0	1,965	904	805	0	3,674
	Standard Error	0	216	186	179	0	

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Appendix Table E19. Estimated age and sex composition of chum salmon in the commercial catches from the Northwestern District purse seine fishery in Prince William Sound, 1984 (continued).

		Brood Year and Age Group					
		1982	1981	1980	1979	1978	
		0.1	0.2	0.3	0.4	0.5	Total
Strata Combined:	7/01 - 9/15						
Sample Dates:	7/30 - 8/17						
Sample Size:	740						
Female	Percent of Catch	0.0	8.4	22.8	18.9	0.3	50.5
	Number in Catch	0	6,800	18,400	15,215	270	40,685
Male	Percent of Catch	0.2	10.1	19.4	19.6	.0	49.5
	Number in Catch	201	8,176	15,653	15,825	39	39,894
Total	Percent of Catch	0.2	18.6	42.3	38.5	0.4	100.0
	Number in Catch	201	14,976	34,053	31,040	309	80,579
	Standard Error	184	1,156	1,703	1,685	194	

Appendix Table E20. Estimated age and sex composition of chum salmon in the commercial catches in the Southwestern District (226) purse seine fishery of Prince William Sound, 1984.

		Brood Year and Age Group						
		1982	1981	1980	1979	1978	1977	
		0.1	0.2	0.3	0.4	0.5	0.6	Total
Stratum Dates:	7/01 - 7/28							
Sample Dates:	7/23 - 7/27							
Sample Size:	371							
Female	Percent of Sample	0.3	7.3	38.7	6.5	0.3	0.0	53.1
	Number in Catch	262	6,374	33,791	5,675	262	0	46,364
Male	Percent of Sample	0.0	5.7	32.3	8.9	0.0	0.0	46.9
	Number in Catch	0	4,977	28,202	7,771	0	0	40,950
Total	Percent of Sample	0.3	13.0	71.0	15.4	0.3	0.0	100.0
	Number in Catch	262	11,351	61,993	13,446	262	0	87,314
	Standard Error	248	1,527	2,060	1,638	248	0	
Stratum Dates:	7/29 - 8/04							
Sample Dates:	7/30 - 8/04							
Sample Size:	387							
Female	Percent of Sample	0.0	11.1	29.3	7.0	0.0	0.0	47.4
	Number in Catch	0	2,771	7,315	1,748	0	0	11,834
Male	Percent of Sample	0.0	16.6	29.8	6.2	0.0	0.0	52.6
	Number in Catch	0	4,145	7,440	1,548	0	0	13,133
Total	Percent of Sample	0.0	27.7	59.1	13.2	0.0	0.0	100.0
	Number in Catch	0	6,916	14,755	3,296	0	0	24,967
	Standard Error	0	569	625	430	0	0	
Stratum Dates:	8/05 - 9/15							
Sample Dates:	8/04 - 8/11							
Sample Size:	388							
Female	Percent of Sample	0.0	8.0	47.6	3.9	0.8	0.3	60.6
	Number in Catch	0	2,742	16,317	1,337	274	103	20,773
Male	Percent of Sample	0.0	6.7	28.8	3.9	0.0	0.0	39.4
	Number in Catch	0	2,297	9,873	1,337	0	0	13,507
Total	Percent of Sample	0.0	14.7	76.4	7.8	0.8	0.3	100.0
	Number in Catch	0	5,039	26,190	2,674	274	103	34,280
	Standard Error	0	617	740	467	155	95	

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Appendix Table E20. Estimated age and sex composition of chum salmon in the commercial catches in the Southwestern District (226) purse seine fishery of Prince William Sound, 1984 (continued).

		Brood Year and Age Group						
		1982	1981	1980	1979	1978	1977	
		0.1	0.2	0.3	0.4	0.5	0.6	Total
Strata Combined:	7/01 - 9/15							
Sample Dates:	7/23 - 8/11							
Sample Size:	1,146							
Female	Percent of Catch	0.2	8.1	39.2	6.0	0.4	0.1	53.9
	Number in Catch	262	11,887	57,423	8,760	536	103	78,971
Male	Percent of Catch	0.0	7.8	31.1	7.3	0.0	0.0	46.1
	Number in Catch	0	11,419	45,515	10,656	0	0	67,590
Total	Percent of Catch	0.2	15.9	70.2	13.2	0.4	0.1	100.0
	Number in Catch	262	23,306	102,938	19,416	536	103	146,561
	Standard Error	248	1,742	2,276	1,757	293	95	

Appendix Table E21. Estimated age and sex composition of chum salmon in the commercial catches in the Southeastern District (228) purse seine fishery of Prince William Sound, 1984.

		Brood Year and Age Group				
		1981	1980	1979	1978	
		0.2	0.3	0.4	0.5	Total
Stratum Dates:	7/01 - 7/28					
Sample Dates:	7/23 - 7/27					
Sample Size:	378					
Female	Percent of Sample	1.6	42.1	2.3	0.0	46.0
	Number in Catch	248	6,530	356	0	7,134
Male	Percent of Sample	3.2	48.6	1.9	0.3	54.0
	Number in Catch	496	7,538	295	47	8,376
Total	Percent of Sample	4.8	90.7	4.2	0.3	100.0
	Number in Catch	744	14,068	651	47	15,510
	Standard Error	171	232	160	44	
Stratum Dates:	7/29 - 8/04					
Sample Dates:	7/30 - 8/04					
Sample Size:	397					
Female	Percent of Sample	3.5	44.1	1.3	0.0	48.9
	Number in Catch	738	9,297	274	0	10,309
Male	Percent of Sample	5.5	44.3	1.3	0.0	51.1
	Number in Catch	1,160	9,339	274	0	10,773
Total	Percent of Sample	9.0	88.4	2.6	0.0	100.0
	Number in Catch	1,898	18,636	548	0	21,082
	Standard Error	303	339	169	0	
Stratum Dates:	8/05 - 8/11					
Sample Dates:	8/05 - 8/11					
Sample Size:	421					
Female	Percent of Sample	5.5	42.7	1.9	0.0	50.1
	Number in Catch	646	5,019	223	0	5,888
Male	Percent of Sample	6.4	42.3	1.2	0.0	49.9
	Number in Catch	752	4,972	141	0	5,865
Total	Percent of Sample	11.9	85.0	3.1	0.0	100.0
	Number in Catch	1,398	9,991	364	0	11,753
	Standard Error	186	205	99	0	

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Appendix Table E21. Estimated age and sex composition of chum salmon in the commercial catches in the Southeastern District (228) purse seine fishery of Prince William Sound, 1984 (continued).

		Brood Year and Age Group				
		1981	1980	1979	1978	
		0.2	0.3	0.4	0.5	Total
Stratum Dates:	8/12 - 9/15					
Sample Dates:	8/11 - 8/17					
Sample Size:	381					
Female	Percent of Sample	4.5	46.2	0.5	0.3	51.5
	Number in Catch	482	4,946	54	32	5,514
Male	Percent of Sample	8.4	36.7	3.4	0.0	48.5
	Number in Catch	899	3,928	363	0	5,190
Total	Percent of Sample	12.9	82.9	3.9	0.3	100.0
	Number in Catch	1,381	8,874	417	32	10,704
	Standard Error	184	207	106	30	
Strata Combined:	7/01 - 9/15					
Sample Dates:	7/23 - 8/17					
Sample Size:	1,577					
Female	Percent of Catch	3.6	43.7	1.5	0.1	48.8
	Number in Catch	2,114	25,792	907	32	28,845
Male	Percent of Catch	5.6	43.7	1.8	0.1	51.2
	Number in Catch	3,307	25,777	1,073	47	30,204
Total	Percent of Catch	9.2	87.3	3.4	0.1	100.0
	Number in Catch	5,421	51,569	1,980	79	59,049
	Standard Error	435	504	274	53	

APPENDIX F

Escapements to Coastal Streams around Prince William Sound

Appendix Table F1. Escapement counts of sockeye, pink, chum, and chinook salmon through the weir below Coghill Lake, 1984.

	Daily Escapemnts							
	Sockeye		Pink		Chum		Chinook	
Date	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
6 / 6	0	0	0	0	0	0	0	0
6 / 7	8	8	0	0	0	0	0	0
6 / 8	0	8	0	0	0	0	0	0
6 / 9	0	8	0	0	0	0	0	0
6 /10	0	8	0	0	0	0	0	0
6 /11	110	118	0	0	0	0	0	0
6 /12	0	118	0	0	0	0	0	0
6 /13	109	227	0	0	0	0	0	0
6 /14	0	227	0	0	0	0	0	0
6 /15	273	500	0	0	0	0	0	0
6 /16	1,504	2,004	0	0	0	0	0	0
6 /17	1,604	3,608	0	0	0	0	0	0
6 /18	1,870	5,478	0	0	0	0	0	0
6 /19	2,045	7,523	0	0	0	0	0	0
6 /20	708	8,231	0	0	0	0	0	0
6 /21	1,153	9,384	0	0	0	0	1	1
6 /22	1,211	10,595	2	2	0	0	0	1
6 /23	2,432	13,027	0	2	0	0	0	1
6 /24	4,176	17,203	2	4	0	0	1	2
6 /25	3,708	20,911	33	37	0	0	0	2
6 /26	1,465	22,376	16	53	1	1	0	2
6 /27	1,412	23,788	37	90	0	1	1	3
6 /28	1,499	25,287	69	159	2	3	0	3
6 /29	2,395	27,682	122	281	2	5	1	4
6 /30	1,413	29,095	96	377	5	10	1	5
7 / 1	1,690	30,785	157	534	7	17	0	5
7 / 2	2,463	33,248	124	658	3	20	2	7
7 / 3	1,562	34,810	104	762	5	25	1	8
7 / 4	1,283	36,093	111	873	2	27	1	9
7 / 5	3,700	39,793	455	1,328	3	30	2	11
7 / 6	3,474	43,267	457	1,785	4	34	0	11
7 / 7	1,591	44,858	377	2,162	1	35	0	11
7 / 8	3,159	48,017	935	3,097	34	69	0	11
7 / 9	4,238	52,255	619	3,716	25	94	0	11
7 /10	904	53,159	129	3,845	12	106	0	11
7 /11	1,222	54,381	751	4,596	24	130	0	11
7 /12	414	54,795	257	4,853	14	144	2	13
7 /13	686	55,481	947	5,800	34	178	2	15
7 /14	403	55,884	645	6,445	16	194	0	15
7 /15	2,189	58,073	2057	8,502	95	289	3	18
7 /16	2,856	60,929	3175	11,677	192	481	3	21
7 /17	1,341	62,270	5114	16,791	543	1,024	2	23
7 /18	482	62,752	2294	19,085	165	1,189	1	24
7 /19	221	62,973	812	19,897	147	1,336	0	24
7 /20	207	63,180	804	20,701	136	1,472	3	27
7 /21	146	63,326	652	21,353	285	1,757	0	27
7 /22	117	63,443	491	21,844	87	1,844	1	28
7 /23	130	63,573	471	22,315	86	1,930	0	28
7 /24 [1]	47	63,620	187	22,502	28	1,958	0	28
Totals		63,620		22,502		1,958		28

[1] Weir closed.

Appendix Table F2. Escapement counts of sockeye, pink, and coho salmon through the weir below Eshamy Lake, 1984.

	Escapements					
	Sockeye		Pink		Coho	
Date	Daily	Cummulative	Daily	Cummulative	Daily	Cummulative
6 /22	0	0	0	0	0	0
6 /23	0	0	0	0	0	0
6 /24	0	0	0	0	0	0
6 /25	0	0	0	0	0	0
6 /26	2	2	0	0	0	0
6 /27	20	22	0	0	0	0
6 /28	196	218	0	0	0	0
6 /29	20	238	0	0	0	0
6 /30	0	238	0	0	0	0
7 / 1	20	258	0	0	0	0
7 / 2	201	459	1	1	0	0
7 / 3	129	588	3	4	0	0
7 / 4	263	851	1	5	0	0
7 / 5	615	1,466	0	5	0	0
7 / 6	811	2,277	9	14	0	0
7 / 7	162	2,439	1	15	0	0
7 / 8	271	2,710	6	21	0	0
7 / 9	291	3,001	14	35	0	0
7 /10	132	3,133	5	40	0	0
7 /11	1,624	4,757	66	106	0	0
7 /12	201	4,958	4	110	0	0
7 /13	257	5,215	3	113	0	0
7 /14	206	5,421	7	120	0	0
7 /15	120	5,541	42	162	0	0
7 /16	1,557	7,098	57	219	0	0
7 /17	621	7,719	43	262	0	0
7 /18	664	8,383	63	325	0	0
7 /19	752	9,135	159	484	0	0
7 /20	230	9,365	20	504	0	0
7 /21	353	9,718	51	555	0	0
7 /22	373	10,091	87	642	0	0
7 /23	486	10,577	101	743	0	0
7 /24	157	10,734	35	778	0	0
7 /25	341	11,075	69	847	0	0
7 /26	906	11,981	169	1,016	0	0
7 /27	983	12,964	271	1,287	0	0
7 /28	146	13,110	105	1,392	0	0
7 /29	237	13,347	82	1,474	0	0
7 /30	531	13,878	93	1,567	0	0
7 /31	328	14,206	59	1,626	0	0
8/ 1	320	14,526	56	1,682	0	0
8/ 2	176	14,702	47	1,729	0	0
8/ 3	46	14,748	17	1,746	0	0
8/ 4	193	14,941	29	1,775	0	0
8/ 5	141	15,082	33	1,808	0	0
8/ 6	342	15,424	16	1,824	0	0
8/ 7	193	15,617	33	1,857	0	0
8/ 8	212	15,829	50	1,907	0	0
8/ 9	118	15,947	17	1,924	0	0
8/10	132	16,079	21	1,945	0	0
8/11	75	16,154	9	1,954	0	0
8/12	83	16,237	28	1,982	0	0
8/13	269	16,506	7	1,989	0	0
8/14	191	16,697	10	1,999	1	1
8/15	228	16,925	9	2,008	1	2
8/16	218	17,143	15	2,023	2	4
8/17	111	17,254	7	2,030	0	4
8/18	245	17,499	29	2,059	6	10
8/19	5149	22,648	525	2,584	287	297
8/20	2918	25,566	402	2,986	132	429
8/21	1090	26,656	119	3,105	55	484
8/22	2418	29,074	81	3,186	70	554
8/23	1874	30,948	112	3,298	69	623
8/24	694	31,642	26	3,324	40	663
8/25	995	32,637	135	3,459	15	678
8/26	719	33,356	73	3,532	27	705
8/27	768	34,124	78	3,610	64	769
8/28	539	34,663	54	3,664	40	809
8/29	309	34,972	27	3,691	23	832
8/30	590	35,562	61	3,752	30	862
8/31	259	35,821	41	3,793	13	875
9/ 1	68	35,889	21	3,814	3	878
9/ 2	61	35,950	43	3,857	1	879
9/ 3	69	36,019	26	3,883	0	879
9/ 4	42	36,061	36	3,919	0	879
9/ 5 [1]	33	36,094	51	3,970	2	881
Totals		36,094 [2]		3,970		881

[1] Weir closed.

[2] An additional 27 sockeye salmon were counted below the weir after it was closed for a total of 36,121 fish.

Appendix Table F3. Escapement estimates for selected sockeye salmon spawning areas in Prince William Sound, 1984[1].

		Weekly Dates									
Escapement	Stream Number[2]	7/01 to 7/07	7/08 to 7/14	7/15 to 7/21	7/22 to 7/28	7/29 to 8/04	8/05 to 8/11	8/12 to 8/18	8/19 to 8/25	8/26 to 9/01	Total
Robe River	137					1965[3]					1965
Billy's Hole	218				900	900			200		900
Red Lake	300	300	1500	1500	800	600	500	300	700	100	1500
Shrode Lake	476	700	500			600	300	200		400	700
Jackpot Lakes	608		5000		2500	5000		2500	3000	3500	5000
Bainbridge	630		200		500	7000		2000	200	300	7000

[1] All based on aerial survey estimates unless otherwise noted.

[2] Peak live counts are used as the estimated total escapement.

[3] Ground survey of Brownie Creek and Robe River and includes live and carcasses.

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams.

EASTERN DISTRICT

WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
2	MARTNEY CREEK	0•	0•	0•	1500•	3000	9000	13000	8660◊	18000	74500◊	4340•	12300◊	610•	300•	0•	67090	27780
5	ECCLES CREEK	0•	0•	0•	0•	0•	220•	450	1800◊	420•	6500◊	440•	2400◊	120•	60•	0•	12760	5370
8	FLEMING CREEK	0•	0•	0•	0•	0•	0•	0◊	0◊	0•	0◊	0•	0◊	0•	0•	0•	0	0
11	HUMPY CREEK	0•	0	10	1500	5000	8500	8000	8000	5500	5000	5500	2750•	1320•	610•	0•	51690	20560
SUBDISTRICT 221-10 TOTAL		0	0	10	3000	8000	17720	21450	16840	23920	13100	10280	4220	2050	970	0	121560	49610
19	TWIN LAKES CREEK	0•	0•	0	0	50	50	5200◊	200	7100◊	6000	14000◊	700•	350•	180•	0•	10160	4230
20	SPRING CREEK	0•	0	0	0	600	1500	3000	3000	3500	5800	2500	1250•	620•	310•	0•	22080	9250
21	ROGUE CREEK	0•	0	0	200	1000	1500	17700◊	500	800	1500	3500	1750•	870•	440•	0•	13830	5600
23	CHASE CREEK	0•	100•	200	500	4500	12000	18000	9000	6000	9000	4000	2000•	1000•	500•	0•	66800	25700
35	KOPPEN CREEK	0	100	5000	10000	65000	60000	70000	42000	60000	30000	25000	12500•	6250•	0•	0•	386050	153170
36	SHEEP RIVER	0	0	150	3000	11000	19000	30000	22000	20000	17000	17000	8850•	4420•	2210•	0•	154630	61530
37	ALLEN CREEK	0•	0•	0•	0	100	600	1000	1400	18500◊	1500	5600◊	680•	240•	120•	0•	8650	3500
SUBDISTRICT 221-20 TOTAL		0	200	5350	13700	82450	94650	124290	78100	92860	70800	54360	27510	13750	3760	0	661300	264010
41	PASS CREEK	0•	0•	0	0	200	400	6000◊	800	7300◊	4000	3000	1500•	850•	0•	0•	32080	6910
45	PLATEAU CREEK	0•	0•	0	0	0	50	50	300	300	400	350	180•	90•	0•	0•	1720	710
46	COMFORT CREEK	0•	0•	30	150	2800	4000	9000	6000	5000	4000	4000	2000•	1000•	500•	0•	38430	15310
48	BEARTRAP RIVER	0	200	2500•	7000	8000	18000	174900◊	22000	190500◊	30000	39000	19500•	9750•	4880•	0•	497370	198360
49	CATARACT CREEK	0•	0•	0	0	100	100	600	500	4800◊	600	700	1500•	750•	380•	0•	5710	2290
51	OLSEN CREEK	50	1500	5000	12000	14000	148000◊	202600	21000	15000	14000	23000	6000•	3000•	1500•	0•	151110	60130
52	CONTROL CREEK	0	0	200	3500	6000	12000	136800◊	12000	6000	7500	9000	4500•	2250•	0•	0•	76630	30360
54	CARLSEN CREEK	0	0	0	0	150	450	1200	800	14500◊	450	8600◊	430•	210•	100•	0•	6100	2510
56	ST. MATTHEWS CREEK	0	0	0	150	800	2500	5000	3500	2500	4000	6000	3000•	1500•	750•	0•	29700	11850
SUBDISTRICT 221-30 TOTAL		50	1700	7730	22800	32050	52100	67880	66900	50510	64950	85910	38610	19600	8110	0	518900	206500
71	TWO MOON CREEK	0•	0•	0•	0	30•	50•	90•	180•	3700◊	540•	7000◊	350•	180•	90•	0•	2580	1040
73	TUNDRA CREEK	0•	0•	0•	0	30•	50•	110•	230•	4600◊	670•	4800◊	240•	120•	60•	0•	2250	910
76	IRISH CREEK	0•	0•	0	500	1500	8000	9000	7000	6500	8000	15000	4000•	2000•	1000•	0•	62500	25200
80	WHALEN CREEK	0•	0	0	1000	4000	5000	11000	5000	6000	4000	8000	4000•	2000•	1000•	0•	51000	21000
83	KETA CREEK	0•	0•	0	1500	1500	4500	45000◊	7000	23600◊	5000	8000	8000•	4000•	2000•	1000•	49360	20680
87	SUNNY RIVER	0•	0•	0•	0	4000	8000	18000	16000	8000	8000	1500	1000•	500•	250•	120•	65370	29320
88	SHORT CREEK	0•	0•	0	0	500	500	1000	800	16500◊	900	1200	1200•	600•	300•	150•	8800	3890
89	FISH CREEK	0	0	200	3500	13000	16000	18000	18000	12000	9000	12000	12000•	6000•	3000•	1500•	124200	49540
92	SHALK CREEK	0•	0•	0	0	500	900	33000◊	500	23000◊	950	16000◊	2000•	1000•	500•	250•	13800	5860
93	KIRKWOOD CREEK	0•	0	0	0	400	900	17500◊	600	450	450	7300◊	180•	180•	90•	0•	5730	2590
94	ROCK CREEK	0•	0	0	0	500	400	600	500	12300◊	450	3000	500•	1500•	750•	380•	9810	4240
99	LAGOON CREEK	0•	0	0	1000	5000	5000	78600◊	6000	45600◊	4000	10700◊	1000•	1000•	500•	250•	39220	17980
SUBDISTRICT 221-40 TOTAL		0	0	200	9500	30960	49100	75210	61810	65860	41760	51280	34470	19080	9540	3650	414620	182770

◊ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

EASTERN DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
106	GLADHOUGH CREEK	0•	0•	0•	0	800	900	1400◊	2500	600	2000	2500	1250•	620•	310•	0•	12880	5730
107	BLACK CREEK	0•	0•	0•	0	0	50	50	50	50	50	600	500•	250•	120•	0•	1100	480
114	TURNER CREEK	0•	0•	0•	0	0	30	100	150	50	350	2000	1000•	500•	250•	0•	6430	1740
115	MILLARD CREEK	0•	0•	0	0	9000	12000	16000	25000	19000	28000	20000	5000•	2500•	1250•	0•	137750	62050
116	DUCK RIVER	0•	0•	0	50	2000	6000	11000	20000	22000	40000	60000	30000•	15000•	7500•	0•	213550	83950
117	INDIAN CREEK	0	2500	1500	15000	26200	15000	13000	8500	4500	3000	2500	1250•	620•	310•	0•	70300	30050
120	DONALDSON CREEK	0	0•	0	0	400	4500	16500	900	9700	300	4500	1000•	500•	250•	0•	10920	4620
121	LEVSHAKOFF CREEK	0	0	10	1000	3000	4000	3500	2000	22100	2000	18800	940•	470•	230•	0•	21240	9650
122	NO NAME	0•	0•	0	0	200	200	5000	3000	4200	150	900	1000•	500•	250•	0•	6310	2550
123	GREGORIEFF CREEK	0	0	10	500	3000	3000	5770◊	3000	49900	3500	38900	5000•	2500•	1250•	0•	36410	14330
127	NAOMOFF RIVER	0•	0•	0	1000	20000	40000	40000	45000	35000	22000	10000	5000•	2500•	1250•	0•	221750	89250
129	VLASOFF CREEK	0•	0	0	3000	4000	10000	10000	9000	6000	7500	3750•	1880•	940•	470•	0•	56540	24920
152	TWIN FALLS CREEK	0•	0•	0	100	4550•	9000	18000	13000	14000	13000	11000	5500•	2750•	1380•	0•	92280	36710
153	STELLAR CREEK	0	0	1400	12000	162500	33000	35000	38000	24000	25000	14000	7000•	3500•	1750•	0•	210900	85730
SUBDISTRICT 221-50 TOTAL		0	2500	2920	32650	65820	137680	155970	170100	133790	146850	132120	66320	33150	16510	0	1096440	450570
131	GORGE CREEK, PORT VAL	0	0	0	670•	1250•	2500	2250•	2000	13500◊	550	4600	2300•	1150•	500•	0•	11370	4990
133	SAWMILL CREEK	0•	30•	50	2030•	4010•	6000	4750	3500	3000•	2500	1250•	620•	310•	150•	0•	28200	11270
137	LOWE RIVER	0•	0•	0•	250•	500•	9900	1500•	3000•	1500•	750•	380•	190•	100•	50•	0•	9210	3870
143	SIWASH CREEK	0•	0•	0•	880•	1650•	33000	13070◊	15000•	7500•	3750•	1800•	900•	450•	220•	0•	48520	20400
145	CROOKED CREEK	0•	0•	0•	270•	540•	6410◊	4540•	2670•	8000	4100◊	200•	100•	50•	30•	0•	16020	6610
148	MINERAL FLATS	0•	0•	0•	1000•	2000•	4000	4500	5000	2750•	500	250•	120•	60•	30•	0•	20210	8870
SUBDISTRICT 221-60 TOTAL		0	30	50	5050	9950	23200	30610	31170	16900	8460	4140	2160	1080	530	0	133510	56010
EASTERN TOTAL		50	4430	16260	86700	229230	374850	475410	424920	363840	345920	340290	173310	88510	39480	3650	2966850	1209050

◊ - FOOT COUNTS • - NTERPOLATIONS

NORTHERN DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
204	HEATHER BAY	0•	0•	0•	0	0•	0	0•	80•	150•	300•	600	300•	150•	80•	0•	1660	710
208	GRANIT COVE	0•	0•	0•	0	0	200	400	300•	200	100•	0	0•	0•	0•	0•	1200	620
209	USELESS CREEK	0•	0•	0•	0	0	20	10	10•	0	0•	0	0•	0•	0•	0•	40	30

◊ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the stream (continued).

NORTHERN DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
210	ELF CREEK	0•	0•	0•	0	0	0	10	10•	20	0•	0	0•	0•	0•	0•	40	20
213	BENCH MARK CREEK	0	0	0	0	250	600	400	400	200	250	0	0•	0•	0•	0•	2100	990
214	LONG CREEK	0	0	0	80	6000	9500	8500	17000	11000	12000	11000	5500•	2750•	0•	0•	83330	32840
216	VANISHING CREEK	0	0•	0	200	3000	2500	4000	16000	12000	28000	35000	17500•	8750•	4380•	0•	131330	51810
217	SPRING CREEK	0	0•	500•	1000	2500	3000	3000	4000	3500	5000	9000	4500•	2250•	1120•	0•	39370	15920
218	BILLY'S CREEK	0•	0•	0	0	0	0	100	200•	300•	400	50	30•	10•	0•	0•	1090	510
221	EICKELBERG CREEK	0•	0•	0•	0	0	250	200	200	200	2000	1500	750•	380•	0•	0•	5480	2310
SUBDISTRICT 222-10 TOTAL		0	0	500	1280	11750	16070	16620	38200	27570	48050	57150	28580	14290	5580	0	265640	105760
224	BACKYARD CREEK	0•	0•	0•	0	0	0	0◊	0	5000	8000	6000	3000•	1500•	750•	0•	24250	11540
227	GRANITE CREEK	0•	0•	0•	0	0	0	100	600	3000	6000	11000	15000•	7500•	3750•	1880•	48830	19230
229	CEDAR CREEK	0	0•	0	5000	4000	3500	8000	6000	8000	9000	15000	20000•	10000•	5000•	2500•	96000	41900
232	DELTA CREEK	0•	0•	0•	0	0	0	500	400	990◊	3000	200	100•	50•	30•	0•	5270	2500
234	WELLS CREEK	0	100	200	3100•	6000	8000	15000	36000	32000	38000	20000	10000•	5000•	0•	0•	173400	68520
233	SURPLUS CREEK	0	0•	0•	100•	200	200	800	1000	1310◊	2000	5000	2500•	1250•	620•	0•	14980	5940
257	COMPLEX CREEK	0•	0•	0•	200•	400	3500	2500	5500	3000	7000	11000	5500•	2750•	1380•	0•	42730	16970
258	WILLIAMS CREEK	0•	0•	0•	250•	500	200	100	200	800	400	3000	1500•	750•	0•	0•	7700	3130
259	JONAH CREEK	0•	0•	0•	5000•	10000	30000	30000	42000	34000◊	67000	34000	17000•	8500•	0•	0•	277500	113300
263	WATERFALL CREEK	0•	0•	0	250•	500	500	200	600	300	2000	2000	1000•	500•	0•	0•	7850	3240
264	SIWASH RIVER	0•	0•	0	4000•	8000	8500	34400◊	35000	28100◊	53000	9000	4500•	2250•	1120•	660•	188530	78480
265	UNAKWIK CREEK	0•	0•	0	200•	400	2000	6650◊	800	5200◊	5000	6440◊	3220•	1610•	800•	400•	32220	13160
SUBDISTRICT 222-20 TOTAL		0	100	200	18100	30000	56400	98250	128100	121700	200400	122640	83320	41660	13450	5440	919160	379910
273	SCHOPPE CREEK	0•	0•	0•	150•	300	600	3000	6500	3500	6000	1100	550•	280•	0•	0•	21980	8850
276	BLACK BEAR CREEK	0•	0•	0	500•	1000	2500	6000	2000	4000	8000	16000◊	800•	400•	0•	0•	26800	11040
277	DEAD CREEK	0•	0•	0	10•	20	250	50	1000	600	1000	800	400•	200•	100•	0•	4430	1760
278	COMEBACK CREEK	0•	0•	0	100•	200	450	1000	2000	500	1500	1200	600•	300•	0•	0•	7850	3160
279	CANYON CREEK	0•	0•	0	750•	1500	800	3500	3000	4000	9000	10000	10000•	5000•	2500•	0•	50050	20120
282	GOOD CREEK	0•	0•	0	200•	400	4000	10000	15000	7000	15000	10000	5000•	2500•	0•	0•	69100	27300
283	BAD CREEK	0•	0•	0	400•	800	2000	8000	10000	9000	20000	6000	3000•	1500•	0•	0•	60700	24300
289	DERICKSON CREEK	0•	0•	0•	50•	100•	200	2500	3000	2000	1000	0	0•	0•	0•	0•	8850	3380
SUBDISTRICT 222-30 TOTAL		0	0	0	2160	4320	10800	34050	42500	30600	61500	30100	20350	10180	2600	0	249760	99910
242	COMPEX CREEK	0•	0•	0•	0•	0•	0•	0•	1250•	2500•	5000•	2500•	1250•	620•	0•	0•	13120	6120
SUBDISTRICT 222-50 TOTAL		0	0	0	0	0	0	0	1250	2500	5000	2500	1250	620	0	0	13120	6120
NORTHERN TOTAL		0	100	700	21540	46070	83270	148920	210050	182370	314950	212990	133500	66750	21630	5440	1448280	591700

0 - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince WilliamSound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

COGHILL DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
414	HARRISON CREEK	0•	0•	0•	0	300	1900	8000	6000	12100	1280•	13600	1500	750•	380•	0•	22680	9610
417	HOBO CREEK	0•	0•	0•	0	0	200	3500	7500	7000	5830•	4660•	3500	1750•	880•	0•	34820	13910
421	MILL CREEK	0•	0•	0•	30	1600	5500	20000	15000	13000	13670•	14340•	15000	7500•	3750•	0•	109190	44150
424	OLD CREEK	0•	0•	0•	0	0	300	8000	10000	6000	6670•	7140•	8000	8000•	4000•	0•	58110	22760
425	HUMMER CREEK	0•	0•	0•	0	0	4000	15000	10000	12000	12670•	13340•	10000	5000•	2500•	0•	84510	36500
428	PIRATE CREEK	0•	0•	0•	0	0	300	500	300	1900	240•	2900	350	2000•	1000•	0•	5170	2100
430	MEACHAM CREEK	0•	0•	0•	0	1000	9500	11000	12000	10000	8340•	6670•	5000	2500•	1250•	0•	67260	29250
432	SWANSON CREEK	0•	0•	100•	200	3000	14000	22000	16000	13000	11000•	9000•	7000	3500•	1750•	0•	100550	42640
SUBDISTRICT 221-10 TOTAL		0	0	100	230	5900	35700	88000	76800	62600	59700	57000	50350	31000	15510	0	482690	200920
303	TRIPLE CREEK	0•	0•	0•	0	50	2000	15000	25000	15000	15000	16000•	17000	10000•	5000•	2500•	122550	48910
307	VILLAGE CREEK	0•	0•	0•	0	300	450	1200	20000	6300	3000	6500•	6000	4000•	2000•	1000•	51080	17400
SUBDISTRICT 221-20 TOTAL		0	0	0	0	350	2450	16200	45000	15630	18000	20500	23000	14000	7000	3500	165630	66310
310	GOLDEN LAGOON	0•	0•	0•	0•	0	250	1000	5000	250	830•	1410•	2000	1000•	500•	0•	12240	4990
314	AVERY RIVER	0•	0•	0•	0•	0	0	500	1500•	2500	1870•	1240•	600	300•	150•	0•	8660	3810
322	COGHILL RIVER - BELOW	0	0•	0•	0•	500	30000	40000	65000	45000	46670•	48340•	50000	25000•	12500•	0•	363010	148130
	COGHILL RIVER - LAKE	00	530	7090	31360	136550	88500	142100	196100	25000	12500•	6250•	3120•	1560•	780•	0•	109451	43660
SUBDISTRICT 221-30 TOTAL		0	53	709	3136	14155	39100	55730	91110	72750	61870	57240	55720	27860	13930	0	493361	200810
COGHILL TOTAL		0	53	809	3366	20405	77250	159930	212910	150760	139570	134740	129070	72860	36440	3500	1141680	468040

O - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the stream (continued).

NORTHWESTERN DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
435	LOGGING CAMP CREEK	0•	0•	0•	0	0	400	1000	6000	1000	1000•	1000•	1000	500•	250•	0•	12150	5130
450	TEBENKOFF CREEK	0•	0•	120•	250	250	2000	5000	10000	7000	4930•	2860•	800	400•	200•	0•	33810	13890
451	BLACKSTONE CREEK	0•	0•	0•	0	0	1800	7000	10000	4000	3000•	2000•	1000	500•	250•	0•	29550	13210
454	HALFERTY CREEK	0•	0	0•	0•	0	4000	25000	20000	12000	9500•	7000•	4500	2250•	1120•	0•	85370	37120
455	PAULSON CREEK	0•	0	100•	200	1500	10000	15000	10000	4350◊	5230•	6110•	7000	3500•	1750•	0•	64740	27460
458	PARKS CREEK	0•	0	500•	1000	2500	24000	50000	40000	25000	23670•	22340•	21000	10500•	5250•	0•	225760	93820
461	COCHRANE CREEK	0•	0	50•	100	600	2500	4000	2500	1500	1400•	1300•	1200	600•	300•	0•	16050	6870
469	WICKETT CREEK	0•	0	0•	0	200	2000	5000	3000	1060◊	1870•	2680•	3500	1750•	880•	0•	21940	9130
SUBDISTRICT 224-10 TOTAL		0	0	770	1550	5050	46700	112000	101500	55910	50600	45290	40000	20000	10000	0	489370	206630
471	NARROWS CREEK	0•	0•	0•	0	500	400	400	1000	100	200•	300•	400	200•	100•	0•	3600	1970
476	SHRODE CREEK	0•	0•	0•	0	1500	6000	20000	20000	15000	23670•	28340•	35000	17500•	8750•	4380•	180140	73660
479	CULROSS CREEK	0•	0•	0•	0	50	2500	5500	3000	4120◊	5080•	6040•	7000	3500•	1750•	0•	45540	18360
SUBDISTRICT 224-30 TOTAL		0	0	0	0	2050	8900	25900	24000	19220	28950	34680	42400	24200	12350	6130	229280	93970
480	MINK CREEK	0•	0	100•	200	3000	9500	12000	15000	8000	8000•	8000•	8000	8000•	4000•	2000•	85800	35920
484	FINGER CREEK EAST	0•	0•	0•	0	500	4500	15000	20000	10660◊	10440•	10220•	10000	10000•	5000•	2500•	98820	40280
485	FINGER CREEK WEST	0•	0•	40•	80	3000	28000	30000	30000	16000	17330•	18660•	20000	10000•	5000•	0•	178110	75400
493	MOST CREEK	0•	0•	0•	0	200	1000	3620◊	2500	1500	1030•	560•	100	3000•	1500•	750•	15760	6510
495	CHIMEVISKY LAGOON	0•	0	0•	0	600	3000	15000	0	2000	2000•	2000•	2000	10000•	5000•	250•	41850	16380
498	McCLURE CREEK	0•	0	0•	0	50	1000	8000	6000	5000	4660•	4330•	4000	4000•	2000•	1000•	40040	16030
SUBDISTRICT 224-40 TOTAL		0	0	140	280	7350	47000	83620	73500	43160	43460	43270	44100	45000	22500	6500	460380	190520
NORTHWESTERN TOTAL		0	0	910	1830	14450	102600	221520	199000	118290	123010	123740	126500	89700	44850	12630	1179030	491120

◊ - FOOT COUNTS • - INTERPOLATIONS

ESHAMY DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
506	LOOMIS CREEK	0•	0•	0•	0•	0•	0•	30•	60•	130•	260•	5200◊	260•	130•	60•	0•	1450	590
507	GUMBOOT CREEK	0•	0•	0•	0•	0•	40•	80•	1500◊	120•	90•	700◊	40•	20•	10•	0•	620	270
508	NORTH SHORE, ESHAMY L.	0•	0•	0•	0•	0•	500•	1050•	21000◊	1750•	1400•	10500◊	500•	250•	120•	0•	8720	3860
510	ELISHANSKY CREEK	0•	0•	0•	0•	0•	1050•	2100•	42000◊	3120•	2040•	9700◊	480•	240•	120•	0•	14370	6540
511	ESHAMY RIVER - BELOW	0•	0•	0	0◊	0◊	300•	600•	12000◊	1550•	1900•	22500◊	1120•	660•	330•	0•	9910	4130

◊ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

ESHAMY DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
	ESHAMY RIVER - WEIR	0•	0•	4◊	37◊	189◊	516◊	848◊	529◊	162◊	1106◊	559◊	255◊	42◊	21•	0•	4248	1690
	SUBDISTRICT 225-30 TOTAL	0	0	4	37	189	2406	4708	8239	6812	6796	5419	2655	1342	661	0	39268	17080
	ESHAMY TOTAL	0	0	4	37	189	2406	4708	8239	6812	6796	5419	2655	1342	661	0	39268	17080

◊ - FOOT COUNTS • - INTERPOLATIONS

SOUTHWESTERN DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
601	PADDY CREEK	0•	0•	0•	0	200•	400	900	800	630◊	1500	1150•	800	1000•	500•	250•	8130	3390
602	MACKTAM CREEK	0•	0•	0•	50	100•	200	700	900	2000	1000	2000•	3000	1500•	750•	380•	12580	5030
603	EWAN CREEK	0•	0•	0•	0	2500•	5000	3500	7000	8000	9000	10500•	12000	10000•	5000•	2500•	75000	31640
604	ERB CREEK	0•	0•	150•	300	1900•	3500	3800	900	3500	5000	800◊	1000	500•	250•	120•	21720	8930
608	JACKPOT RIVER	0•	0•	0•	0	12500•	25000	20000	28000	16000	10000	11000•	12000	6000•	3000•	0•	143500	66580
610	KOMPKOFF RIVER	0•	0•	0•	0	3500•	7000	3500	4000•	7000	8000	4150•	300	150•	80•	0•	37680	17880
611	JACKPOT BAY, WEST ARM	0•	0•	0•	0	1000•	2000	500	250	100	1000	600•	200	100•	50•	0•	5800	3060
612	JACKPOT BAY, WEST ARM	0•	0•	0•	0	500•	1000	500	250	50	2000	1300•	600	300•	150•	0•	6650	3050
613	JACKSON CREEK	0•	0•	500•	1000	5500•	10000	16000	11000	14000	8000	6000•	4000	2000•	1000•	0•	79000	32180
621	TOTEMOFF CREEK	0•	0•	0•	0	750•	1500	6230◊	7000	1480◊	1500	900◊	3500	1750•	880•	440•	25930	11040
623	BRIZGALOFF CREEK	0•	0•	0•	0	750•	1500	3000	2000•	6000	3000	2500•	2000	1000•	500•	250•	22500	9650
630	MAINBRIDGE CREEK	0•	0•	750•	1500	15750•	30000	28000	19000	30000	12000	10000•	8000	4000•	2000•	0•	161000	64860
632	CLAW CREEK	0•	0•	0•	0	5000•	10000	3000	2000	1500	2500	1550•	600	300•	150•	0•	26600	14330
633	PABLO CREEK	0•	0•	300•	600	4300•	8000	2100	2400•	5000	3000	3000•	3000	1500•	750•	380•	34330	13800
634	WHALE BAY, W. HEAD, S	0•	0•	0•	0	0•	0	300	200	100	200	100•	0	0•	0•	0•	900	590
636	WHALE CREEK	0•	0•	30•	50	200•	400	800	200	1000	2000	1100•	200	100•	50•	0•	6130	2510
	SUBDISTRICT 226-20 TOTAL	0	0	1730	3500	54450	105500	92830	85900	96360	69700	56650	51200	30200	15110	4320	667450	288520
682	SHUG HARBOR	0•	0•	0	0	3000•	6000	6500•	7000•	7500	3750•	1880•	940•	470•	240•	0•	37280	17270
	SUBDISTRICT 226-10 TOTAL	0	0	0	0	3000	6000	6500	7000	7500	3750	1880	940	470	240	0	37280	17270
655	JOHNSON CREEK	0•	0•	30•	50	520•	1000	3660◊	3500	6000	5000	5500•	6000	10000•	5000•	2500•	48760	19170
656	MALVERSON CREEK	0•	0•	50•	100	1050•	2000	1200◊	800	2500	4000	3250•	2500	7000•	3500•	1750•	29700	11690
665	BJORNE CREEK	0•	0•	0•	0	0•	0	200	50	0	1500	900•	300	1500•	800•	400•	5650	3530
666	O'BRIEN CREEK	0•	0•	0•	380•	750•	1500	1800	800	1500	4000	5000•	6000	3000•	1500•	0•	26230	10590

◊ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

SOUTHWESTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
670	MONTGOMERY CREEK	0•	0•	0•	0	0•	0	500	200	150•	100	800•	1500	750•	370•	0•	4370	2090
672	LATOUCHE ISLAND, S. S	0•	0•	0•	0	50•	100	200	200	1000	500	600•	700	350•	180•	0•	3880	1570
673	FALLS CREEK	0•	0•	0•	0	0•	0	2100	2000	6400◊	1500	5500◊	500	250•	120•	0•	7660	4830
676	HORSESHOE CREEK	0•	0•	0•	0	80•	150	2200.	800	1200	2000	2000•	2000	1000•	500•	0•	11930	4840
677	HAYDEN CREEK	0•	0•	0•	0	20•	50	1800	1200	800	1500	1100◊	0	0•	0•	0•	5680	2310
SUBDISTRICT 226-40 TOTAL		0	0	80	510	2470	4800	13660	9550	13790	20100	18910	19500	21850	11970	4650	143860	60620
651	HOG CREEK	0•	0•	0•	0•	3500•	7000	5000	3000	5000	3000	1500•	750•	370•	0•	0•	29120	14300
SUBDISTRICT 226-50 TOTAL		0	0	0	0	3500	7000	5000	3000	5000	3000	1500	750	370	0	0	29120	14300
SOUTHWESTERN TOTAL		0	0	1810	4030	63420	123300	117990	105450	122650	96550	78940	72190	54890	27320	8970	877710	380710

◊ - FOOT COUNTS • - INTERPOLATIONS

MONTAGUE DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
702	POINT CREEK	0•	0•	0•	0•	0•	0	400	900	200	3000	3750•	4500	2250•	1120•	0•	16120	6640
703	CLAM BEACH CREEK	0•	0•	0•	0•	0•	0	300	300	300	100	550•	1000	500•	250•	0•	3300	1520
707	MACLEOD CREEK	0•	0•	0•	0•	120•	250	1200	3000	4500	6000	7750•	9500	4750•	2380•	0•	39450	15590
710	MANNING CREEK	0•	0•	0•	0•	10•	30	700	600	1500	500	600•	700	350•	180•	0•	5170	2070
711	QUADRA CREEK	0•	0•	0•	0•	500•	1000	4000	4000	7000	9000	10000•	11000	5500•	2750•	0•	54750	22070
717	MONTAGUE ISLAND, WEST	0•	0•	0•	0•	0•	0	300	500	1200	2000	1400•	800	400•	200•	0•	6800	2980
718	MONTAGUE ISLAND, WEST	0•	0•	0•	0•	0•	0	500	500	100	1500	1350•	1200	600•	300•	0•	6050	2810
719	MONTAGUE ISLAND, WEST	0•	0•	0•	0•	0•	0	450	300	4000	3500	3000•	2500	1250•	620•	0•	15620	6590
722	MONTAGUE IS., GLACIER	0•	0•	0•	0•	0•	0	0	50	250	270•	290•	300	150•	70•	0•	1380	580
724	MONTAGUE IS., GLACIER	0•	0•	0•	0•	0•	0	0	0	0	130	80•	30	10•	0•	0•	250	200
725	MONTAGUE ISLAND, WEST	0•	0•	0•	0•	0•	0	400	200	0	100	180•	250	120•	60•	0•	1310	880
726	MONTAGUE CREEK	0•	0•	0•	0•	0•	0	0	200	200	180•	160•	150	80•	40•	0•	1010	550
SUBDISTRICT 227-10 TOTAL		0	0	0	0	630	1280	8250	10550	19250	26280	29110	31930	15560	7970	0	151210	62480
738	RUSSEL CREEK	0•	0•	0•	0•	0	150	1100	2000	1650•	1300•	950	480•	240•	120•	0•	7990	3290
739	SWAMP CREEK	0•	0•	0•	0•	0	1200	7000	9000	9000•	9000	6000	3000•	1500•	750•	0•	46450	19190
740	KELEZ CREEK	0•	0•	0•	0•	0	600	800	1200	3600•	6000	1200	600•	300•	150•	0•	14450	6210
741	CHALMERS RIVER	0•	0•	0•	0•	1000	2500	10000	12000	16000	10750•	5500	2750•	1380•	690•	0•	62570	25790

◊ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the stream (continued).

MONTAGUE DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
744	WILBY CREEK	0*	0*	0*	0*	0	0	50	2000◊	200	1400*	26000◊	1300*	650*	320*	0*	6720	2660
745	WILD CREEK	0*	0*	0*	0*	0	100	250	4000	3000	2400*	17900◊	900*	450*	220*	0*	13110	5280
746	SCHUMAN CREEK	0*	0*	0*	0*	0	0	0	10	50	620*	12000◊	600*	300*	150*	0*	2930	1150
747	CABIN CREEK	0*	0*	0*	0*	0	50	9000	8000	8000	9000*	10000	5000*	2500*	1250*	0*	52800	20910
748	GILMOUR CREEK	0*	0*	0*	0*	0	0	0	200	150	1180*	2200	1100*	550*	280*	0*	5660	2360
749	SHAD CREEK	0*	0*	0*	0*	0	0	100	1200◊	500	1180*	18500◊	920*	460*	230*	0*	5360	2170
752	STOCKDALE CREEK	0*	0*	0*	0*	0	150	350	2000	2000	1920*	18500◊	920*	460*	230*	0*	9880	4020
753	STOCKDALE BAY	0*	0*	0*	0*	0	0	0	250	100	1300*	2500	1300*	650*	320*	0*	6420	2700
754	DRY CREEK	0*	0*	0*	0*	0	0	6000	8000	50	280*	900	7500*	1250*	620*	0*	24600	14510
758	ROCKY BAY, HEAD	0*	0*	0*	0*	0	600	1000	800	400	1200*	2000	1000*	500*	250*	0*	7750	3530
759	ROCKY CREEK	0*	0*	0*	0*	0	80	1000	1000*	1000	4500*	8000	4000*	2000*	1000*	0*	22580	8890
766	CARR CREEK	0*	0*	0*	0*	0	0	0	0	0	10*	20	10*	0*	0*	0*	40	20
770	UDALL CREEK	0*	0*	0*	0*	0	100	1000	3000	3000	1750*	500	250*	120*	60*	0*	9780	3980
771	McKERNAN CREEK	0*	0*	0	0*	0	0	0	0	50	80*	100	50*	30*	10*	0*	320	160
774	ROSSWOG CREEK	0*	0*	0*	0*	0	50	0	500	400	800*	12100◊	600*	300*	150*	0*	4010	2000
775	PAUTZKE CREEK	0*	0*	0*	0*	0	0	0	50	250	600*	9400◊	470*	230*	110*	0*	2650	1070
788	GREEN CREEK	0*	0*	0*	0*	0	0	100*	200	300*	150*	80*	40*	20*	10*	0*	900	430
SUBDISTRICT 227-20 TOTAL		0	0	0	0	1000	5580	37750	52510	49700	55420	51390	32790	13490	6920	0	206970	110540
MONTAGUE TOTAL		0	0	0	0	1630	6860	46000	63080	68950	81700	80500	64720	29850	14890	0	458180	193020

◊ - FOOT COUNTS * INTERPOLATIONS

SOUTHEASTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
863	ORCA CREEK	0*	0*	0*	0*	50	600	7000	3000	3000	2250*	1500	810◊	2600*	1200*	600*	22410	8910
SUBDISTRICT 228-10 TOTAL		0	0	0	0	50	600	7000	3000	3000	2250	1500	810	2600	1200	600	22410	8910
833	BATES CREEK	0*	0*	0*	0*	0	30	10	800	500	1000*	1500	750*	370*	0*	0*	4960	1930
834	HARDY CREEK	0*	0*	0*	350	1000	1500	25000	30000	25000	18000*	11000	5500*	2750*	0*	0*	120100	47950
835	SCOTT CREEK	0*	0*	0*	0	400	11000	20000	20000	16000	12750*	5000	2500*	1250*	0*	0*	88900	35950
836	DAN'S CREEK	0*	0*	0*	0	0	0	2000	600	2500	3000*	3500	1750*	870*	0*	0*	14220	7110
837	WIDGEON CREEK	0*	0*	0*	0	500	8000	12000	13000	8000	5000*	2000	1000*	500*	0*	0*	50000	20540

-Continued-

Appendix Table F4. Weekly aerial estimates of the escapement of pink salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

SOUTHEASTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
819	GOOSE CREEK	0*	0*	0*	0*	0	2000	9000	7000	6500	4250*	2000	1000*	500*	0*	0*	32250	14400
SUBDISTRICT 228-20 TOTAL		0	0	0	350	1900	22530	68010	71400	58500	44000	25000	12500	6240	0	0	310430	127880
844	MAKARKA CREEK	0*	0*	0*	0	0	2000	5000	12000	20000	18000*	16000	8000*	4000*	0*	0*	85000	34800
847	HAWKINS CREEK	0*	0*	0*	0	0	10000	12000	10000	9500	8750*	8000	4000*	2000*	0*	0*	64250	33300
849	ROLLINS CREEK	0*	0*	0*	0*	0	12000	8000	5000	4000	1210◇	3000	1510◇	760*	380*	0*	35880	23790
850	CANOE CREEK	0*	0*	0*	0*	4000	12000	9000	5480◇	5000	2950◇	10000	3310*	5000*	2500*	1250*	60490	28010
851	ZILLESENOFF CREEK	0*	0*	0*	0*	0	2000	4000	8500	7800	400◇	5000	2550◇	16000*	8000*	4000*	58250	23860
856	WEST LAGOON CREEK	0*	0*	0*	350	2500	150	300	2000	600	510◇	1200	200◇	5000*	2500*	1250*	16360	7020
857	EAST LAGOON CREEK	0*	0*	0*	0	0	500	20000	5000	4500	5220◇	3000	1540◇	2000*	1000*	500*	43260	17470
858	NORTH LAGOON CREEK	0*	0*	0*	0	0	0	0	0	200	850*	1500	750*	380*	190*	100*	3970	1720
861	BERNARD CREEK	0*	0*	0*	1000*	2000	10000	11000	5560◇	8000	1500◇	9000	5980◇	5000*	2500*	1250*	62790	26000
862	CLAMDIGGERS CREEK	0*	0*	0*	0*	0	150	300	1200	1000	1100*	1200	6000*	3000*	1500*	800*	16250	6460
SUBDISTRICT 228-30 TOTAL		0	0	0	1350	8500	48800	69600	54740	60600	40490	57900	33860	43140	18570	9150	446200	202450
827	CAPTAIN CREEK	0*	0*	0*	0*	0	2000	3500	5000	6000	6750*	7500	3750*	1880*	990*	0*	37370	16350
828	COOK CREEK	0*	0*	0*	0*	200	6000	15000	25000	20000	15250*	10500	5250*	2620*	1310*	0*	101130	40520
829	KING CREEK	0*	0*	0*	0*	0	800	1000	4000	3000	2900*	2800	2000*	1500*	750*	0*	18750	7990
831	DOUBLE CREEK	0*	0*	0*	0	600	8000	15000	12000	9000	6200◇	2740◇	1370*	680*	340*	0*	55910	23020
SUBDISTRICT 228-40 TOTAL		0	0	0	0	800	16800	34500	46000	38000	31100	21540	12370	6680	3390	0	213180	87880
817	DEER CREEK	0*	0*	0*	1000*	2000	3000	6000	10000	7500	7750*	8000	4000*	2000*	1000*	0*	52250	21550
818	JUANIA CREEK	0*	0*	0*	1000*	2000	2500	8000	12000	13000	13500*	14000	7000*	3500*	1750*	0*	78250	31790
821	BROWN BEAR CREEK	0*	0*	0*	1250*	2500	8000	15000	20000	19000	12000*	5000	5000*	2500*	1250*	620*	92120	37910
SUBDISTRICT 228-50 TOTAL		0	0	0	3250	6500	13500	29000	42000	39500	33250	27000	16000	8000	4000	620	222620	91250
805	PORT ETCHES, SOUTH SH	0*	0*	0*	0*	0	100	0	300	200	900*	1600	800*	400*	200*	0*	4500	2060
806	DOG SALMON CREEK	0*	0*	0*	0*	0	2500	3500	10000	6000	10000*	14000	7000*	3500*	1750*	0*	58250	24950
807	BEAVER CREEK	0*	0*	0*	0*	0	50	30	100	200	1150*	2100	1050*	520*	260*	0*	5460	2170
810	GARDEN CREEK	0*	0*	0*	0*	0	7000	7000	10000	8000	11800◇	6770*	3380*	1690*	850*	0*	56490	27920
811	ETCHES CREEK	0*	0	0*	0	0	0	10000	11000	0	4340*	1000	500*	250*	0*	0*	27090	20050
812	MUCHEK CREEK	0*	0	0*	0	8000	30000	25000	30000	25000	23500*	22000	11000*	5500*	2750*	0*	182750	80030
815	CONSTANTINE CREEK	0*	0	0*	1500	6000	20000	35000	40000	64000	24000◇	6500◇	32500*	16250*	8120*	0*	312370	125990
SUBDISTRICT 228-60 TOTAL		0	0	0	1500	14000	59650	80530	101400	103400	75690	112470	56210	28110	13930	0	646910	283170
SOUTHEASTERN TOTAL		0	0	0	6450	31750	161880	288640	318540	303000	226780	247410	131790	94570	41090	10370	1862270	801540

◇ - FOOT COUNTS * - INTERPOLATIONS

SOUND TOTAL	50	4583	20493	123953	407144	932416	1463120	1542190	1316690	1335280	1224030	833935	498472	226361	44560	9973270	4152260

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams.

EASTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
2	HARTNEY CREEK	0•	0•	0•	0•	0•	0	770•	1550◇	2000	1200◇	60•	0◇	0•	0•	0•	4500	2340
5	ECCLES CREEK	0•	0•	0•	0•	0•	0•	0	160◇	100•	40◇	20•	0◇	0•	0•	0•	320	240
8	FLEMING CREEK	0•	0•	0•	0•	0•	0•	0•	0◇	0•	0◇	0•	0◇	0•	0•	0•	0	0
11	HUMPY CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
SUBDISTRICT 221-10 TOTAL		0	0	0	0	0	0	770	1710	2100	160	80	0	0	0	0	4820	2580
19	TWIN LAKES CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0	0•	0•	0•	0•	0	0
20	SPRING CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
21	ROGUE CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0	0•	0•	0•	0•	0	0
23	CHASE CREEK	0•	130•	250	2130•	4000	4000	2000	1000	3000	250	200	100•	50•	0•	0•	17110	6930
35	KOPPEN CREEK	0	0•	0•	600•	1190•	2380◇	1440◇	800•	1500◇	150•	1500◇	80•	40•	0•	0•	6980	3280
36	SHEEP RIVER	0	0•	0	0•	100•	200	100•	50•	30•	10•	0•	0•	0•	0•	0•	490	270
37	ALLEN CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
SUBDISTRICT 221-20 TOTAL		0	130	250	2730	5290	6580	3540	1850	3180	410	350	180	90	0	0	24580	10480
41	PASS CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
45	PLATEAU CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
46	COMFORT CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
48	BEARTRAP RIVER	70	1500	2000	4000•	6000	4000	12900◇	3150•	5000◇	2550•	1100◇	50•	30•	0•	0•	29750	11930
49	CATAMACT CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
51	OLSEN CREEK	200	1500	4000	4500•	5000	7350◇	2860◇	2370•	1870◇	1050•	230•	110•	50•	0•	0•	31090	12240
52	CONTROL CREEK	0	0•	0	0•	30•	500	0	0•	0•	0•	0•	0•	0•	0•	0•	80	30
54	CARLSEN CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
56	ST. MATTHEWS CREEK	0•	0•	0	0•	0•	0	0	0	0◇	0	30◇	30•	10•	0•	0•	70	50
SUBDISTRICT 221-30 TOTAL		270	3000	6000	8500	11030	11400	4150	5520	6870	3600	370	190	90	0	0	60990	24250
71	TWO MOON CREEK	0•	0•	0•	0•	0•	0•	0•	0•	0◇	0•	0	0•	0•	0•	0•	0	0
73	TUNDRA CREEK	0•	0•	0•	0•	0•	0•	0•	0•	0◇	0•	0	0•	0•	0•	0•	0	0
76	IRISH CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
80	WHALEN CREEK	0•	0•	0	0•	0•	0	0	200•	400	200•	100•	50•	0•	0•	0•	950	530
83	KETA CREEK	0•	0•	0	0•	0	200	800◇	200	2500◇	200	2300◇	110•	50•	30•	10•	1360	700
87	SUNNY RIVER	0•	0•	0•	100•	200	3000	1800	2500	7000	7000	9000	4500•	2250•	1120•	560•	39010	15580
88	SHORT CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
89	FISH CREEK	0	0•	50	1530•	3000	3470◇	2500	1340•	1900◇	1100•	200◇	100•	0•	0•	0•	12220	4810
92	SHALE CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
93	KIRKWOOD CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
94	ROCK CREEK	0•	0•	0	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
99	LAGOON CREEK	0•	0•	0	500•	1000	2500	3420◇	4500	10500◇	800	6500◇	320•	160•	80•	0•	14980	6270
SUBDISTRICT 221-40 TOTAL		0	0	50	2130	4200	9170	7800	8740	8890	8310	10000	4990	2460	1210	570	68540	27890

◇ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

EASTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
106	GLADHOUGH CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
107	BLACK CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
114	TURNER CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
115	MILLARD CREEK	0•	0•	0•	0•	0•	0	0	0	400•	800	400•	200•	100•	50•	0•	1950	1090
116	DUCK RIVER	0•	0•	0	2500•	5000	5000	3500•	2000	1500	800	400•	200•	100•	50•	0•	21050	10410
117	INDIAN CREEK	300	2000	3500	6010•	8520◇	5000	3000	1510•	200◇	10•	0•	0•	0•	0•	0•	29870	12110
120	DONALDSON CREEK	0•	0•	0	0•	0•	0	0	0	0	0	0◇	0•	0•	0•	0•	0	0
121	LEVSHAKOFF CREEK	0•	40•	80	40•	0	0	0	10•	10◇	0	0◇	0•	0•	0•	0•	180	100
122	NO NAME	0•	0•	0	0•	0	0	0	0	0	0	0◇	0•	0•	0•	0•	0	0
123	GREGORIEFF CREEK	0	30	10	0•	0•	0	10◇	10•	0◇	0•	0•	0•	0•	0•	0•	60	50
127	NAOMOFF RIVER	0•	0•	0	3000•	6000	5000	4000	2500	6000	4000	2000•	1000•	500•	250•	0•	34250	16050
129	VLASOFF CREEK	0•	30•	50	450•	1000	1000	600•	200	500	250•	120•	0•	0•	0•	0•	4200	1680
152	TWIN FALLS CREEK	0•	0•	0	0•	1500•	3000	1900	500	1500	200	100•	50•	30•	0•	0•	8780	4700
153	STELLAR CREEK	0	20	10	260•	500◇	250•	120•	60•	40•	40•	40◇	20•	10•	0•	0•	1370	560
SUBDISTRICT 221-50 TOTAL		300	2120	3650	12260	22520	19250	13130	6790	9970	6100	3060	1470	740	350	0	101710	46750
131	GORGE CREEK, PORT VAL	0•	0•	0	0•	0•	0	0•	0	0◇	0	0◇	0•	0•	0•	0•	0	0
133	SAWMILL CREEK	0•	0•	200	0•	500•	1000	500•	250•	120•	60•	30•	0•	0•	0•	0•	2660	1570
137	LOWE RIVER	0•	0•	0•	0•	0•	0	0•	0•	0•	0•	0•	0•	0•	0•	0•	0	0
143	SIWASH CREEK	0•	0•	0•	0•	10•	20◇	30◇	10•	0•	0•	0•	0•	0•	0•	0•	70	30
145	CROOKED CREEK	0•	0•	0•	0•	0•	0•	2140◇	1850•	1570◇	1670◇	2100◇	1000•	500•	250•	0•	11080	6090
148	MINERAL FLATS	0•	0•	0•	0•	1000•	2000	3500•	5000	5250•	5500	2750•	1180•	690•	0•	0•	27070	11490
SUBDISTRICT 221-60 TOTAL		0	0	200	0	1510	3020	6170	7110	6940	7230	4880	2380	1190	250	0	40880	19180
EASTERN TOTAL		570	5250	10150	25620	44550	49420	35560	31720	37950	25810	18740	9210	4570	1830	570	301520	131130

◇ - FOOT COUNTS • - INTERPOLATIONS

NORTHERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
204	HEATHER BAY	0•	0•	0•	0•	0•	0	0•	0•	0•	0•	0	0•	0•	0•	0•	0	0
208	GRANIT COVE	0•	0•	0•	0•	0	0	0	0•	0	0•	0	0•	0•	0•	0•	0	0
209	USELESS CREEK	0•	0•	0•	0•	0	0	0	0•	0	0•	0	0•	0•	0•	0•	0	0

◇ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

NORTHERN DISTRICT		WEEK-ENDING DATE																
STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
210	ELF CREEK	0*	0*	0*	0*	0	0	0	0*	0	0*	0	0*	0*	0*	0*	0	0
213	BENCH MARK CREEK	0	0	0	0*	0	0	0	0	0	0	0	0*	0*	0*	0*	0	0
214	LONG CREEK	0	0	0	1000*	2000	2500	500	1250*	2000	2000	1000*	500*	250*	0*	0*	13000	5950
216	VANISHING CREEK	0	0*	0	250*	500	880*	1260*	1640*	2000	2000	1000*	500*	250*	0*	0*	10280	4260
217	SPRING CREEK	0	0*	0*	750*	1500	1190*	840*	550*	500	200	100*	50*	30*	0*	0*	5710	2870
218	BILLY'S CREEK	0*	0*	0	0*	0	0	0	0*	0*	0	0	0*	0*	0*	0*	0	0
221	EICKELBERG CREEK	0*	0*	0*	0*	0	0	0	0	0	0	0	0*	0*	0*	0*	0	0
SUBDISTRICT 222-10 TOTAL		0	0	0	2000	4000	4570	2600	3440	4500	4200	2100	1050	530	0	0	28990	13080
224	BACKYARD CREEK	0*	0*	0*	0	0	0	0	0	0	0	0	0*	0*	0*	0*	0	0
227	GRANITE CREEK	0*	0*	0*	0	0	0	0	0	0	0	0	0*	0*	0*	0*	0	0
229	CEDAR CREEK	0	0*	20	510*	1000	500*	250*	120*	0	0*	0*	0*	0*	0*	0*	2400	950
232	DELTA CREEK	0*	0*	0*	0*	0*	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
234	WELLS CREEK	30	3000	14000	25000	20200◇	8600◇	5000	2550*	1100◇	50*	30*	10*	0*	0*	0*	78580	31450
233	SURPLUS CREEK	0	0*	0*	0	0	0	0	0	0*	0	0	0*	0*	0*	0*	0	0
257	COMPLEX CREEK	0*	0*	0*	0	150*	300	150*	80*	40*	0	0	0*	0*	0*	0*	720	400
258	WILLIAMS CREEK	0*	0*	0*	0	0	0	0	0	0	0	0	0*	0*	0*	0*	0	0
259	JONAH CREEK	0*	0*	0*	0*	0	300*	610◇	720*	840◇	420*	210*	100*	0*	0*	0*	3200	1500
263	WATERFALL CREEK	0*	0*	0	0*	0	0	0	0	0	0	0*	0*	0*	0*	0*	0	0
264	SIWASH RIVER	0*	0*	0	500*	1000	900	1910	1500	3200◇	1500	410◇	200*	100*	50*	0*	8390	3740
265	UHAKWIK CREEK	0*	0*	0	0*	0	30*	70◇	70*	60	40*	20◇	10*	0*	0*	0*	300	140
SUBDISTRICT 222-20 TOTAL		30	3000	14020	26010	22350	10630	7990	5040	1370	2010	670	320	100	50	0	91590	38180
273	SCHOPPE CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0	0*	0*	NC	0*	0	0
276	BLACK BEAR CREEK	0*	0*	0	500*	1000	500	2260◇	1180*	100◇	70*	30◇	10*	0*	NC	0*	5650	2650
277	DEAD CREEK	0*	0*	0*	0*	0	0	0	0	0	0	0	0*	0*	NC	0*	0	0
278	COMEBACK CREEK	0*	0*	0*	0*	0	0	0	0	0	0	0	0*	0*	NC	0*	0	0
279	CANYON CREEK	0*	0*	0*	0*	0	0	0	0	0	0	0	0*	0*	NC	0*	0	0
282	GOOD CREEK	0*	0*	0	1000*	2000	2500	1250*	620*	0◇	10*	30◇	10*	0*	NC	0*	7420	3650
283	BAD CREEK	0*	0*	0	750*	1500	1500	1040*	580*	1100◇	70*	40◇	20*	10*	NC	0*	5620	2840
289	DERICKSON CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0	0*	0*	NC	0*	0	0
SUBDISTRICT 222-30 TOTAL		0	0	0	2250	4500	4500	4550	2180	210	150	100	40	10	NC	0	18690	9140
242	COWPEN CREEK	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
SUBDISTRICT 222-50 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHERN TOTAL		30	3000	14020	30260	30850	19700	15140	10860	6080	6360	2870	1410	640	50	0	141270	60400

◇ - FOOT COUNTS * - INTERPOLATIONS

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

COGHILL DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
414	HARRISON CREEK	0*	0*	0*	0*	0*	0	0*	0	10◇	10*	0◇	0*	0*	0*	0*	20	10
417	HOBO CREEK	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
421	MILL CREEK	0*	0*	0*	0*	750*	1500	1200*	900*	610◇	560*	510◇	250*	120*	0*	0*	6400	3130
424	OLD CREEK	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
425	HUMMER CREEK	0*	0*	0*	0*	0*	0	0	0	0*	0*	0*	0	0*	0*	0*	0	0
428	PIRATE CREEK	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
430	MEACHAM CREEK	0*	0*	0*	0*	0*	0	30◇	30*	10*	0*	0*	0*	0*	0*	0*	70	50
432	SHANSON CREEK	0*	0*	0*	0*	1000*	2000	1640*	1280*	910◇	610*	310◇	150*	80*	0*	0*	7980	3970
SUBDISTRICT 223-10 TOTAL		0	0	0	0	1750	3500	2870	2210	1540	1180	820	400	200	0	0	14470	7160
303	TRIPLE CREEK	0*	0*	0*	0	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
307	VILLAGE CREEK	0*	0*	0*	0	0	0	0	0	0	0	0*	0	0*	0*	0*	0	0
SUBDISTRICT 223-20 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310	GOLDEN LAGOON	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
314	AVERY RIVER	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
322	COGHILL RIVER - BELOW	0*	0*	200*	400*	800	10000	5000*	2500*	1250*	0*	0*	0*	0*	0*	0*	20150	9610
	COGHILL RIVER - LAKE	0*	1◇	22◇	80◇	931◇	1017◇	0*	0*	0	0*	0*	0*	0*	0*	0*	2051	630
SUBDISTRICT 223-30 TOTAL		0	1	222	480	1731	11017	5000	2500	1250	0	0	0	0	0	0	22201	10240
COGHILL TOTAL		0	1	222	480	3481	14517	7870	4710	2790	1180	820	400	200	0	0	36671	17400

◇ - FOOT COUNTS * - INTERPOLATIONS

-Continued-

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon to Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

NORTHWESTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
435	LOGGING CAMP CREEK	0*	0*	0*	0	0	0	0*	0	0	0*	0*	0	0*	0*	0*	0	0
450	TEBENKOFF CREEK	0*	0*	0*	0*	0*	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0	0
451	BLACKSTONE CREEK	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0*	0*	0*	0*	0	0
454	HALFERTY CREEK	0*	0	50*	100	1050*	2000	1000*	500*	250*	0*	0*	0*	0*	0*	0*	4950	2080
455	PAULSON CREEK	0*	0*	150*	300	300*	290*	280◇	170*	70◇	40*	0◇	0*	0*	0*	0*	1600	760
458	PARKS CREEK	0*	0*	0*	0	0	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
461	COCHRANE CREEK	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
469	WICKETT CREEK	0*	0*	0*	0	0	20*	40◇	20*	10*	10*	10◇	10*	0*	0*	0*	120	60
SUBDISTRICT 224-10 TOTAL		0	0	200	400	1350	2310	1320	690	330	50	10	10	0	0	0	6670	2900
471	NARROWS CREEK	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
476	SHRODE CREEK	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
479	CULROSS CREEK	0*	0*	0*	0*	0*	0	0*	0*	0◇	0*	0◇	0*	0*	0*	0*	0	0
SUBDISTRICT 224-30 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
480	MINK CREEK	0*	0*	180*	350	290*	230*	180◇	100*	100	10*	0*	0*	0*	0*	0*	1350	690
484	FINGER CREEK EAST	0*	0*	0*	0*	0*	10*	10◇	10*	0	0*	0*	0	0*	0*	0*	30	10
485	FINGER CREEK WEST	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
493	MOST CREEK	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
495	CHIMEVISKY LAGOON	0*	0*	60*	120	500	2000	1890◇	1420*	950*	480*	1100◇	50*	30*	10*	0*	7620	3460
498	McCLURE CREEK	0*	0*	0*	0*	0*	0	0◇	0	0◇	0*	0*	0*	0*	0*	0*	0	0
SUBDISTRICT 224-40 TOTAL		0	0	240	470	790	2240	2080	1530	960	490	110	50	30	10	0	9000	4160
NORTHWESTERN TOTAL		0	0	440	870	2140	4550	3400	2220	1290	540	120	60	30	10	0	15670	7060

◇ - FOOT COUNTS * - INTERPOLATIONS

ESHAMY DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
506	LOOMIS CREEK	0*	0*	0*	0*	0*	0◇	0*	0◇	0*	0*	0◇	0*	0*	0*	0*	0	0
507	GUMBOOT CREEK	0*	0*	0*	0*	0*	0◇	0*	0◇	0*	0*	0◇	0*	0*	0*	0*	0	0
508	NORTH SHORE, ESHAMY L	0*	0*	0*	0*	0*	0◇	0*	0◇	0*	0*	0◇	0*	0*	0*	0*	0	0
510	ELISHANSKY CREEK	0*	0*	0*	0*	0*	0◇	0*	0◇	0*	0*	0◇	0*	0*	0*	0*	0	0
511	ESHAMY RIVER - BELOW	0*	0*	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0*	0*	0	0
ESHAMY RIVER - WEIR		0*	0*	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0◇	0*	0*	0	0
SUBDISTRICT 225-30 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESHAMY TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

◇ - FOOT COUNTS * - INTERPOLATIONS

-Continued-

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the stream (continued).

SOUTHWESTERN DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
601	PADDY CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
602	NACKTAN CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
603	EWAN CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
604	ERB CREEK	0•	0•	0•	0•	0•	10•	10◇	10•	0	0	0◇	0•	0•	0•	0•	30	10
608	JACKPOT RIVER	0•	0•	0•	0•	0•	0	0◇	0	0	0	0•	0	0•	0•	0•	0	0
610	KOMPKOFF RIVER	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
611	JACKPOT BAY, WEST ARM	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
612	JACKPOT BAY, WEST ARM	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
613	JACKSON CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
621	TOTEMOFF CREEK	0•	0•	0•	0•	0•	0	0◇	0	0	0	0•	0	0•	0•	0•	0	0
623	BRIZGALOFF CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
630	BAINBRIDGE CREEK	0•	0•	0•	0•	0•	0	0◇	0	0	0	0•	0•	0•	0•	0•	0	0
632	CLAW CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
633	PABLO CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
634	WHALE BAY, W. HEAD, S	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
636	WHALE CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
SUBDISTRICT 226-20 TOTAL		0	0	0	0	0	10	10	10	0	0	0	0	0	0	0	30	10
682	SNUG HARBOR	0•	0•	0•	0•	0•	0	0•	0•	0	0•	0•	0•	0•	0•	0•	0	0
SUBDISTRICT 226-30 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
655	JOHNSON CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0◇	0	0•	0•	0•	0	0
656	MALVERSON CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0◇	0	0•	0•	0•	0	0
665	BJORNE CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
666	O'BRIEN CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0•	0•	0•	0•	0	0
670	MONTGOMERY CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
672	LATOUCHE ISLAND, S. S	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
673	FALLS CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
676	HORSESHOE CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0	0
677	HAYDEN CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0	0	0	0	0	0	0
SUBDISTRICT 226-40 TOTAL		0	0	0	0	0	0	0	0	0	0	0•	0•	0•	0•	0•	0	0
651	HOG CREEK	0•	0•	0•	0•	0•	0	0	0	0	0	0	0	0	0	0	0	0
SUBDISTRICT 226-50 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHWESTERN TOTAL		0	0	0	0	0	10	10	10	0	0	0	0	0	0	0	30	10

◇ - FOOT COUNTS • - INTERPOLATIONS

-Continued-

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

MONTAGUE DISTRICT

STREAM NO.	STREAM NAME OR LOCATION	WEEK-ENDING DATE 6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
702	POINT CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
703	CLAM BEACH CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
707	MACLEOD CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
710	HANNING CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
711	QUADRA CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
717	MONTAGUE ISLAND, WEST	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
718	MONTAGUE ISLAND, WEST	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
719	MONTAGUE ISLAND, WEST	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
722	MONTAGUE IS., GLACIER	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0	0
724	MONTAGUE IS., GLACIER	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
725	MONTAGUE ISLAND, WEST	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
726	MONTAGUE CREEK	0*	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0	0
SUBDISTRICT 227-10 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
738	RUSSEL CREEK	0*	0*	0*	0*	0	0	0	0	0*	0*	0	0*	0*	0*	0*	0	0
739	SWAMP CREEK	0*	0*	0*	0*	0	0	0	0	0*	0	0	0*	0*	0*	0*	0	0
740	KELEZ CREEK	0*	0*	0*	0*	0	0	0	0	0*	0	0	0*	0*	0*	0*	0	0
741	CHALMERS RIVER	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
744	WILBY CREEK	0*	0*	0*	0*	0	0	0	0◇	0	0*	0	0*	0*	0*	0*	0	0
745	WILD CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
746	SCHUMAN CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
747	CABIN CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
748	GILMOUR CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
749	SHAD CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
752	STOCKDALE CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
753	STOCKDALE BAY	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
754	DRY CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
758	ROCKY BAY, HEAD	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
759	ROCKY CREEK	0*	0*	0*	0*	0	0	0	0*	0	0*	0	0*	0*	0*	0*	0	0
766	CARR CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
770	UDALL CREEK	0*	0	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
771	McKERNAN CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
774	BOSSWOG CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
775	PAUTZKE CREEK	0*	0*	0*	0*	0	0	0	0	0	0*	0	0*	0*	0*	0*	0	0
788	GREEN CREEK	0*	0*	0*	0*	0	0	0*	0	0*	0*	0*	0*	0*	0*	0*	0	0
SUBDISTRICT 227-20 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTAGUE TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 - FOOT COUNTS * - INTERPOLATIONS

-Continued-

Appendix Table F5. Weekly aerial estimates of the escapement of chum salmon in Prince William Sound by district, subdistrict, and stream, 1984. Counts are of live fish in the streams (continued).

SOUTHEASTERN DISTRICT — WEEK-ENDING DATE

STREAM NO.	STREAM NAME OR LOCATION	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	CUM. TOTALS	ADJ. STR. TOTALS
863	ORCA CREEK	0•	0•	0•	0•	0	0	0•	0	0	0•	0	0◇	0•	0•	0•	0	0
SUBDISTRICT 228-10 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
833	BATES CREEK	0•	0•	0•	0•	0	0	0•	0	0	0•	0	0•	0•	0•	0•	0	0
834	HARDY CREEK	0•	0•	0•	0	0	0	0•	0	0	0•	0	0•	0•	0•	0•	0	0
835	SCOTT CREEK	0•	0•	0•	0	0	0	0•	0	0	0•	0	0•	0•	0•	0•	0	0
836	DAN'S CREEK	0•	0•	0•	0•	0	0	0•	0	0	0•	0	0•	0•	0•	0•	0	0
837	WIDGEON CREEK	0•	0•	0•	0	0	0	0•	0	0	0•	0	0•	0•	0•	0•	0	0
839	GOOSE CREEK	0•	0•	0•	0•	0	0	0•	0	0	0•	0	0•	0•	0•	0•	0	0
SUBDISTRICT 228-20 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
844	MAKARKA CREEK	0•	0•	0•	0	0	0	0	30•	50◇	30•	10•	0•	0•	0•	0•	120	70
847	HAWKINS CREEK	0•	0•	0•	0	0•	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
849	ROLLINS CREEK	0•	0•	0•	0•	0	0	0	0	0	0◇	0	0•	0•	0•	0•	0	0
850	CANOE CREEK	0•	0•	0•	0•	0	0	10•	30◇	20•	0◇	0•	0◇	0•	0•	0•	60	20
851	ZILLESENOFF CREEK	0•	0•	0•	0•	0•	0	0	0	0	0◇	0	0•	0•	0•	0•	0	0
856	WEST LAGOON CREEK	0•	0•	0•	0	0	0	0	0	0	0◇	0	0•	0•	0•	0•	0	0
857	EAST LAGOON CREEK	0•	0•	0•	0	0	0	0	0	0	0◇	0	0•	0•	0•	0•	0	0
858	NORTH LAGOON CREEK	0•	0•	0•	0	0	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
861	BERNARD CREEK	0•	0•	0•	0•	0	0	0	0◇	0	0◇	0•	0◇	0•	0•	0•	0	0
862	CLAMDIGGERS CREEK	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
SUBDISTRICT 228-30 TOTAL		0	0	0	0	0	0	10	60	70	30	10	0	0	0	0	180	90
827	CAPTAIN CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
828	COOK CREEK	0•	0•	0•	0•	0	0	30•	60•	60•	30•	10•	0•	0•	0•	0•	190	90
829	KING CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
831	DOUBLE CREEK	0•	0•	0•	0	0	0	0	30•	50•	90◇	50•	30•	10•	0•	0•	260	120
SUBDISTRICT 228-40 TOTAL		0	0	0	0	0	0	30	90	110	120	60	30	10	0	0	450	210
817	DEER CREEK	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
818	JUANIA CREEK	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
821	BROWN BEAR CREEK	0•	0•	0•	0•	0	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
SUBDISTRICT 228-50 TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
805	PORT ETCHES, SOUTH SH	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
806	DOG SALMON CREEK	0•	0•	0•	0•	0	0	0	0•	0	0◇	0	0•	0•	0•	0•	0	0
807	BEAVER CREEK	0•	0•	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
810	GARDEN CREEK	0•	0•	0•	0•	0	0	0	0	0	0◇	60◇	30•	10•	0•	0•	100	80
811	ETCHES CREEK	0•	0	0•	0•	0	0	0	0	0	0	0	0•	0•	0•	0•	0	0
812	MUCHEK CREEK	0•	0	0•	0	0	0	0	0	0	0•	0	0•	0•	0•	0•	0	0
815	CONSTANTINE CREEK	0•	0	0•	0	2000	2420•	2840◇	2420•	2000	2500•	3000	260◇	130•	60•	30•	17660	8780
SUBDISTRICT 228-60 TOTAL		0	0	0	0	2000	2420	2840	2420	2000	2500	3060	290	140	60	30	17760	8860
SOUTHEASTERN TOTAL		0	0	0	0	2000	2420	2880	2570	2180	2650	3130	320	150	60	30	18390	9160
SOUND TOTAL		600	8251	24832	57230	83021	90617	64860	52090	50290	36540	25680	11400	5590	1950	600	513551	225160

◇ - FOOT COUNTS • - INTERPOLATIONS

Appendix Table F6. Estimated age and sex composition of the sockeye salmon escapement to Coghill Lake, 1984.

		Brood Year and Age Group								
		1981		1980		1979		1978		
		0.2	1.1	0.3	1.2	1.3	2.2	1.4	2.3	Total
Stratum Dates:	6/06 - 6/30									
Sample Dates:	6/20 - 6/21									
Sample Size:	540									
Female	Percent of Sample	0.0	0.0	0.0	10.0	31.1	2.8	0.2	0.6	44.7
	Number in Escapement	0	0	0	2,910	9,049	815	58	175	13,007
Male	Percent of Sample	0.7	0.0	0.4	33.3	16.1	3.7	0.0	1.1	55.3
	Number in Escapement	204	0	116	9,688	4,684	1,076	0	320	16,088
Total	Percent of Sample	0.7	0.0	0.4	43.3	47.2	6.5	0.2	1.7	100.0
	Number in Escapement	204	0	116	12,598	13,733	1,891	58	495	29,095
	Standard Error	104	0	79	621	626	309	56	162	
Stratum Dates:	7/01 - 7/24									
Sample Dates:	7/10 - 7/14									
Sample Size:	527									
Female	Percent of Sample	0.0	0.0	0.0	11.6	33.2	1.3	0.2	1.5	47.8
	Number in Escapement	0	0	0	4,005	11,463	449	69	518	16,504
Male	Percent of Sample	0.0	1.3	0.0	22.6	23.9	1.7	0.0	2.7	52.2
	Number in Escapement	0	449	0	7,803	8,252	587	0	932	18,023
Total	Percent of Sample	0.0	1.3	0.0	34.2	57.1	3.0	0.2	4.2	100.0
	Number in Escapement	0	449	0	11,808	19,715	1,036	69	1,450	34,527
	Standard Error	0	171	0	714	745	257	67	302	
Strata Combined:	6/01 - 7/24									
Sample Dates:	6/20 - 7/14									
Sample Size:	1,067									
Female	Percent of Escapement	0.0	0.0	0.0	10.9	32.2	2.0	0.2	1.1	46.4
	Number in Escapement	0	0	0	6,915	20,512	1,264	127	693	29,511
Male	Percent of Escapement	0.3	0.7	0.2	27.5	20.3	2.6	0.0	2.0	53.6
	Number in Escapement	204	449	116	17,491	12,936	1,663	0	1,252	34,111
Total	Percent of Escapement	0.3	0.7	0.2	38.4	52.6	4.6	0.2	3.1	100.0
	Number in Escapement	204	449	116	24,406	33,448	2,927	127	1,945	63,622
	Standard Error	104	171	79	946	973	402	88	343	

Appendix Table F7. Estimated age and sex composition of the sockeye salmon escapement to Eshamy Lake, 1984.

		Brood Year and Age Group						
		1980		1979		1978		
		1.2	2.1	1.3	2.2	2.3	3.2	Total
Stratum Dates:	6/22 - 7/20							
Sample Dates:	7/12 - 7/17							
Sample Size:	553							
Female	Percent of Sample	49.2	0.0	0.4	1.1	0.0	0.0	50.7
	Number in Escapement	4,608	0	37	103	0	0	4,748
Male	Percent of Sample	47.7	0.0	0.0	1.6	0.0	0.0	49.3
	Number in Escapement	4,467	0	0	150	0	0	4,617
Total	Percent of Sample	96.9	0.0	0.4	2.7	0.0	0.0	100.0
	Number in Escapement	9,075	0	37	253	0	0	9,365
	Standard Error	69	0	25	65	0	0	
Stratum Dates:	7/21 - 8/02							
Sample Dates:	7/24 - 7/27							
Sample Size:	528							
Female	Percent of Sample	42.2	0.0	0.2	1.5	0.0	0.0	43.9
	Number in Escapement	2,252	0	11	80	0	0	2,343
Male	Percent of Sample	54.0	0.0	0.0	2.1	0.0	0.0	56.1
	Number in Escapement	2,882	0	0	112	0	0	2,994
Total	Percent of Sample	96.2	0.0	0.2	3.6	0.0	0.0	100.0
	Number in Escapement	5,134	0	11	192	0	0	5,337
	Standard Error	44	0	10	43	0	0	
Stratum Dates:	8/03 - 8/16							
Sample Dates:	8/09 - 8/14							
Sample Size:	492							
Female	Percent of Sample	40.0	0.0	0.0	1.4	0.0	0.0	41.4
	Number in Escapement	976	0	0	34	0	0	1,010
Male	Percent of Sample	56.5	0.0	0.0	1.8	0.2	0.0	58.5
	Number in Escapement	1,379	0	0	44	5	0	1,428
Total	Percent of Sample	96.5	0.0	0.0	3.3	0.2	0.0	100.0
	Number in Escapement	2,356	0	0	81	5	0	2,442
	Standard Error	20	0	0	20	5	0	

-Continued-

Appendix Table F7. Estimated age and sex composition of the sockeye salmon escapement to Eshamy Lake, 1984 (continued).

		Brood Year and Age Group						
		1980		1979		1978		
		1.2	2.1	1.3	2.2	2.3	3.2	Total
Stratum Dates:	8/17 - 9/05							
Sample Dates:	8/20 - 8/24							
Sample Size:	500							
Female	Percent of Sample	44.4	0.0	0.6	4.6	0.2	0.0	49.8
	Number in Escapement	8,414	0	114	872	38	0	9,438
Male	Percent of Sample	45.0	1.0	0.2	3.8	0.0	0.2	50.2
	Number in Escapement	8,528	190	38	720	0	38	9,514
Total	Percent of Sample	89.4	1.0	0.8	8.4	0.2	0.2	100.0
	Number in Escapement	16,942	190	152	1,592	38	38	18,952
	Standard Error	261	84	76	235	38	38	
Strata Combined:	6/22 - 9/05							
Sample Dates:	7/15 - 8/24							
Sample Size:	2,073							
Female	Percent of Escapement	45.0	0.0	0.4	3.0	0.1	0.0	48.6
	Number in Escapement	16,250	0	162	1,089	38	0	17,539
Male	Percent of Escapement	47.8	0.5	0.1	2.8	.0	0.1	51.4
	Number in Escapement	17,256	190	38	1,026	5	38	18,553
Total	Percent of Escapement	92.8	0.5	0.6	5.9	0.1	0.1	100.0
	Number in Escapement	33,507	190	200	2,118	43	38	36,096
	Standard Error	274	84	80	248	38	38	

APPENDIX G

Mean length by sex and age of salmon sampled in the catches and escapements of the Copper/Bering and Prince William Sound areas.

Appendix Table G1. Estimated mean length[1] by sex and age of sockeye salmon in the commercial catches from the Copper and Bering River fisheries, 1984.

		Brood Year and Age Group											
		1982	1981	1980		1979			1978			1977	
		0.1	0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3
Copper River District Samples													
Females	Mean	0	482	576	501	574	563	505	566	555	0	628	574
	Std. Error	0	0	6	3	0	1	7	14	?	0	0	12
	Range	0 - 0	482 - 482	544 - 621	362 - 576	574 - 574	432 - 660	454 - 560	545 - 593	428 - 656	0 - 0	628 - 628	562 - 585
	Sample Size		1	14	99	1	2108	17	3	342	0	1	2
Males	Mean	0	467	584	500	0	584	529	637	579	0	0	587
	Std. Error	0	0	10	4	0	1	7	12	2	0	0	0
	Range	0 - 0	467 - 467	520 - 638	399 - 588	0 - 0	465 - 676	461 - 598	625 - 648	484 - 685	0 - 0	0 - 0	587 - 587
	Sample Size	0	1	11	131	0	1891	26	2	266	0	0	1
All Fish	Mean	0	475	579	501	574	573	520	594	565	0	628	578
	Std. Error	0	8	6	3	0	1	5	19	1	0	0	8
	Range	0 - 0	467 - 482	520 - 638	362 - 588	574 - 574	432 - 676	454 - 598	545 - 648	428 - 685	0 - 0	628 - 628	562 - 587
	Sample Size	0	2	25	230	1	4000	43	5	608	0	1	3
Bering River - Kayak Island Samples													
Females	Mean	490	0	583	523	0	574	525	562	570	0	0	0
	Std. Error	20	0	5	3	0	1	8	0	3	0	0	0
	Range	470 - 509	0 - 0	501 - 697	460 - 637	0 - 0	459 - 688	431 - 561	562 - 562	534 - 610	0 - 0	0 - 0	0 - 0
	Sample Size	2	0	35	78	1	781	16	1	41	0	0	0
Males	Mean	0	465	590	519	0	590	532	0	600	475	0	0
	Std. Error	0	0	5	4	0	1	8	0	6	0	0	0
	Range	0 - 0	465 - 465	530 - 630	433 - 626	0 - 0	498 - 693	475 - 617	0 - 0	508 - 659	475 - 475	0 - 0	0 - 0
	Sample Size	0	1	24	94	0	653	19	0	36	1	0	0
All Fish	Mean	490	465	586	521	0	581	529	562	584	475	0	0
	Std. Error	20	0	4	2	0	1	5	0	4	0	0	0
	Range	470 - 509	465 - 465	501 - 697	433 - 637	0 - 0	459 - 693	431 - 617	562 - 562	508 - 659	475 - 475	0 - 0	0 - 0
	Sample Size	2	1	59	173	0	1434	35	1	77	1	0	0

[1] Mid-eye to fork of tail.

Appendix Table G2. Estimated mean length[1] by sex and age for chinook salmon in the commercial catches from the Copper/Bering River District, 1984.

		Brood Year and Age Group									
		1980			1979		1978		1977		
		0.3	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	3.3
Females	Mean	852	638	514	851	630	951	837	884	927	769
	Std. Error	0	7	0	3	55	3	7	0	10	61
	Range	852 - 852	475 - 720	514 - 514	510 -1778	465 - 795	703 - 1973	612 - 965	884 - 884	765 -1026	708 - 830
	Sample Size	1	38	1	482	5	566	67	1	34	2
Males	Mean	0	655	0	886	672	1000	851	1084	981	860
	Std. Error	0	22	0	5	33	2	14	0	12	0
	Range	0 - 0	500 - 963	0 - 0	510 -1807	550 - 752	595 -1156	600 - 978	1084 -1084	755 -1225	860 - 860
	Sample Size	0	17	0	323	5	754	34	1	40	1
All Fish	Mean	852	643	514	865	651	980	842	984	957	799
	Std. Error	0	8	0	3	31	2	6	100	8	46
	Range	852 - 852	475 - 963	514 - 514	510 -1807	465 - 795	595 -1973	600 - 978	884 -1084	755 -1225	708 - 860
	Sample Size	1	55	1	807	10	1323	101	2	75	3

[1] Mid-eye to fork of tail.

Appendix Table G3. Estimated mean length[1] by sex and age for coho salmon in the commercial catches from the Copper River and Bering River fisheries, 1984.

		Brood Year and Age Group			
		1981	1980	1979	
		1.1	2.1	2.2	3.1
Copper River Samples					
Females	Mean	646	669	617	699
	Std. Error	6	4	0	13
	Range	520 - 752	486 - 754	617 - 617	673 - 718
	Sample Size	60	148	1	3
Males	Mean	654	680	0	676
	Std. Error	5	3	0	27
	Range	522 - 745	570 - 751	0 - 0	628 - 740
	Sample Size	81	157	0	4
All Fish	Mean	650	675	617	686
	Std. Error	4	3	0	16
	Range	520 - 752	486 - 754	617 - 617	628 - 740
	Sample Size	141	305	1	7
Bering River - Controller Bay Samples					
Females	Mean	664	669	0	690
	Std. Error	6	6	0	0
	Range	565 - 715	513 - 741	0 - 0	690 - 690
	Sample Size	33	40	0	1
Males	Mean	647	685	0	0
	Std. Error	6	4	0	0
	Range	513 - 723	584 - 796	0 - 0	0 - 0
	Sample Size	58	87	0	0
All Fish	Mean	653	680	0	690
	Std. Error	5	4	0	0
	Range	513 - 723	513 - 796	0 - 0	690 - 690
	Sample Size	91	127	0	1

[1] Mid-eye to fork of tail.

Appendix Table G4. Estimated mean length[1] by sex and age of sockeye salmon sampled in the Chitina personal use and subsistence fisheries combined, 1984.

		Brood Year and Age Group						
		1981	1980		1979		1978	
		1.1	0.3	1.2	1.3	2.2	1.4	2.3
Females	Mean	338	593	477	558	476	549	545
	Std. Error	0	0	4	1	7	0	3
	Range	338 - 338	593 - 593	416 - 595	403 - 664	420 - 547	549 - 549	468 - 608
	Sample Size	1	1	109	1100	26	1	103
Males	Mean	0	0	491	582	490	604	573
	Std. Error	0	0	5	1	18	22	4
	Range	0 - 0	0 - 0	361 - 559	447 - 687	439 - 560	581 - 648	482 - 695
	Sample Size	0	0	55	1024	6	3	101
All Fish	Mean	338	593	482	569	479	591	558
	Std. Error	0	0	3	1	6	21	3
	Range	338 - 338	593 - 593	361 - 595	403 - 687	420 - 560	549 - 648	468 - 695
	Sample Size	1	1	164	2126	32	4	204

[1] Mid-eye to fork of tail.

Appendix Table G5. Estimated mean length[1] by sex and age of sockeye salmon sampled on the Long Lake spawning grounds and in the weir escapement, 1984.

		Brood Year and Age Group					
		1980			1979		1978
		0.3	1.2	2.1	1.3	2.2	2.3
Females	Mean	0	498	0	560	535	561
	Std. Error	0	1	0	2	4	8
	Range	0 - 0	462 - 529	0 - 0	516 - 603	502 - 592	541 - 581
	Sample Size	0	101	0	119	22	4
Males	Mean	579	508	387	570	562	588
	Std. Error	0	3	0	3	7	8
	Range	579 - 579	412 - 539	387 - 387	523 - 691	534 - 591	566 - 621
	Sample Size	1	48	1	121	8	6
All Fish	Mean	579	501	387	565	542	577
	Std. Error	0	1	0	2	4	7
	Range	579 - 579	412 - 539	387 - 387	516 - 691	502 - 592	541 - 621
	Sample Size	1	149	1	240	30	10

[1] Mid-eye to fork of tail.

Appendix Table G6. Estimated mean length[1] by sex and age of sockeye salmon sampled in the Tonsina Lake escapement, 1984[2].

		Brood Year and Age Group	
		1979	1978
		1.3	2.3
Females	Mean	555	568
	Std. Error	2	7
	Range	490 - 630	555 - 580
	Sample Size	171	3
Males	Mean	580	605
	Std. Error	2	3
	Range	530 - 630	600 - 615
	Sample Size	136	5
All Fish	Mean	566	591
	Std. Error	1	7
	Range	490 - 630	555 - 615
	Sample Size	311	8

[1] Mid-eye to fork of tail.

[2] Samples from fish beach seined on the spawning grounds.

Appendix Table G7. Estimated mean length[1] by sex and age of sockeye salmon sampled in the Klutina Lake - St. Anne Creek escapement, 1984[2].

		Brood Year and Age Group				
		1980	1979		1978	
		1.2	1.3	2.2	1.4	2.3
Females	Mean	496	541	515	590	572
	Std. Error	10	1	0	0	9
	Range	447 - 515	468 - 601	515 - 515	590 - 590	562 - 598
	Sample Size	6	235	1	1	4
Males	Mean	471	570	479	0	573
	Std. Error	5	2	17	0	14
	Range	460 - 477	505 - 654	462 - 495	0 - 0	524 - 612
	Sample Size	3	173	2	0	5
All Fish	Mean	487	553	491	590	573
	Std. Error	8	1	15	0	8
	Range	447 - 515	468 - 654	462 - 515	590 - 590	524 - 612
	Sample Size	9	408	3	1	9

[1] Mid-eye to fork length.

[2] Samples from fish beach-seined on the spawning grounds.

Appendix Table G8. Estimated mean length[1] by sex and age of sockeye salmon sampled in the Tazlina Lake escapement, 1982[2].

		Brood Year and Age Group			
		1980	1979		1978
		1.2	1.3	2.2	2.3
Females	Mean	489	515	496	524
	Std. Error	4	3	5	10
	Range	447 - 531	449 - 575	454 - 514	427 - 599
	Sample Size	24	66	11	14
Males	Mean	473	540	484	549
	Std. Error	4	4	6	6
	Range	409 - 515	474 - 603	443 - 524	508 - 596
	Sample Size	40	35	13	12
All Fish	Mean	479	524	490	536
	Std. Error	3	3	4	6
	Range	409 - 531	449 - 603	443 - 524	427 - 599
	Sample Size	64	101	24	26

[1] Mid-eye to fork of tail.

[2] Samples were taken from fish gillnetted in the lake.

Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Copper River/Delta drainage, 1984.

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Eyak Lake - Hatchery Creek Samples										
Females	Mean	0	0	0	502	0	564	0	550	561
	Std. Error	0	0	0	12	0	2	0	0	9
	Range	0 - 0	0 - 0	0 - 0	419 - 602	0 - 0	459 - 614	0 - 0	550 - 550	539 - 577
	Sample Size	0	0	0	16	0	245	0	1	4
Males	Mean	0	412	492	435	0	587	0	0	594
	Std. Error	0	6	0	2	0	4	0	0	18
	Range	0 - 0	400 - 419	492 - 492	184 - 625	0 - 0	430 - 642	0 - 0	0 - 0	573 - 630
	Sample Size	0	3	1	241	0	87	0	0	3
All Fish	Mean	0	412	492	439	0	570	0	550	575
	Std. Error	0	6	0	3	0	2	0	0	11
	Range	0 - 0	400 - 419	492 - 492	184 - 625	0 - 0	430 - 642	0 - 0	550 - 550	539 - 630
	Sample Size	0	3	1	257	0	332	0	1	7
Eyak Lake - South Shore Beaches Samples										
Females	Mean	0	0	0	495	0	548	521	0	561
	Std. Error	0	0	0	4	0	1	11	0	8
	Range	0 - 0	0 - 0	0 - 0	424 - 527	0 - 0	484 - 593	510 - 531	0 - 0	526 - 601
	Sample Size	0	0	0	31	0	224	2	0	7
Males	Mean	0	0	0	479	0	564	510	0	579
	Std. Error	0	0	0	3	0	3	10	0	10
	Range	0 - 0	0 - 0	0 - 0	394 - 600	0 - 0	451 - 635	491 - 522	0 - 0	544 - 605
	Sample Size	0	0	0	184	0	146	3	0	5
All Fish	Mean	0	0	0	482	0	554	514	0	569
	Std. Error	0	0	0	2	0	1	7	0	7
	Range	0 - 0	0 - 0	0 - 0	394 - 600	0 - 0	451 - 635	491 - 531	0 - 0	526 - 605
	Sample Size	0	0	0	215	0	370	5	0	12

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Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Copper River/Delta drainage, 1984 (continued).

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
McKinley Lake Samples										
Females	Mean	0	352	0	496	0	567	439	0	0
	Std. Error	0	9	0	11	0	1	0	0	0
	Range	0 - 0	343 - 361	0 - 0	450 - 580	0 - 0	490 - 630	439 - 439	0 - 0	0 - 0
	Sample Size	0	2	0	14	0	269	1	0	0
Males	Mean	0	372	0	445	0	591	448	0	596
	Std. Error	0	11	0	2	0	3	11	0	0
	Range	0 - 0	334 - 418	0 - 0	374 - 605	0 - 0	500 - 659	412 - 500	0 - 0	596 - 596
	Sample Size	0	9	0	341	0	119	7	0	1
All Fish	Mean	0	369	0	447	0	574	447	0	596
	Std. Error	0	10	0	2	0	1	10	0	0
	Range	0 - 0	334 - 418	0 - 0	374 - 605	0 - 0	490 - 659	412 - 500	0 - 0	596 - 596
	Sample Size	0	11	0	355	0	388	8	0	1
Twenty-Seven Mile Slough Samples										
Females	Mean	0	0	0	426	0	564	0	612	563
	Std. Error	0	0	0	9	0	1	0	6	5
	Range	0 - 0	0 - 0	0 - 0	415 - 443	0 - 0	486 - 627	0 - 0	606 - 618	535 - 604
	Sample Size	0	0	0	3	0	310	0	2	14
Males	Mean	0	0	0	441	0	574	0	0	553
	Std. Error	0	0	0	2	0	5	0	0	15
	Range	0 - 0	0 - 0	0 - 0	370 - 600	0 - 0	437 - 640	0 - 0	0 - 0	516 - 612
	Sample Size	0	0	0	143	0	80	0	0	6
All Fish	Mean	0	0	0	441	0	566	0	612	560
	Std. Error	0	0	0	2	0	2	0	6	6
	Range	0 - 0	0 - 0	0 - 0	370 - 600	0 - 0	437 - 640	0 - 0	606 - 618	516 - 612
	Sample Size	0	0	0	146	0	390	0	2	20

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Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Copper River/Delta drainage, 1984 (continued).

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Ragged Point Samples										
Females	Mean	0	0	0	489	0	568	493	0	564
	Std. Error	0	0	0	4	0	1	12	0	5
	Range	0 - 0	0 - 0	0 - 0	447 - 611	0 - 0	441 - 621	468 - 526	0 - 0	310 - 607
	Sample Size	0	0	0	52	0	291	4	0	22
Males	Mean	0	321	0	460	0	596	481	0	603
	Std. Error	0	6	0	5	0	2	6	0	6
	Range	0 - 0	286 - 441	0 - 0	402 - 580	0 - 0	525 - 658	469 - 493	0 - 0	566 - 633
	Sample Size	0	29	0	53	0	134	4	0	14
All Fish	Mean	0	321	0	474	0	577	487	0	579
	Std. Error	0	6	0	3	0	1	7	0	5
	Range	0 - 0	286 - 441	0 - 0	402 - 611	0 - 0	441 - 658	468 - 526	0 - 0	510 - 633
	Sample Size	0	29	0	105	0	425	8	0	36
Combined Martin Lake Samples										
Females	Mean	0	0	0	493	0	557	0	0	545
	Std. Error	0	0	0	3	0	1	0	0	5
	Range	0 - 0	0 - 0	0 - 0	412 - 608	0 - 0	462 - 617	0 - 0	0 - 0	532 - 566
	Sample Size	0	0	0	115	0	318	0	0	6
Males	Mean	0	340	0	436	336	576	0	0	0
	Std. Error	0	8	0	2	0	8	0	0	0
	Range	0 - 0	299 - 407	0 - 0	306 - 610	336 - 336	411 - 650	0 - 0	0 - 0	0 - 0
	Sample Size	0	20	0	267	1	45	0	0	0
All Fish	Mean	0	340	0	453	336	560	0	0	545
	Std. Error	0	8	0	2	0	2	0	0	5
	Range	0 - 0	299 - 407	0 - 0	306 - 610	336 - 336	411 - 650	0 - 0	0 - 0	532 - 566
	Sample Size	0	20	0	382	1	363	0	0	6

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Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements in the Copper River/Delta drainage, 1984 (continued).

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Ragged Point Samples										
Females	Mean	0	0	0	489	0	568	493	0	564
	Std. Error	0	0	0	4	0	1	12	0	5
	Range	0 - 0	0 - 0	0 - 0	447 - 611	0 - 0	441 - 621	468 - 526	0 - 0	510 - 607
	Sample Size	0	0	0	52	0	291	4	0	22
Males	Mean	0	321	0	460	0	596	481	0	603
	Std. Error	0	6	0	5	0	2	6	0	6
	Range	0 - 0	286 - 441	0 - 0	402 - 580	0 - 0	525 - 658	469 - 493	0 - 0	566 - 633
	Sample Size	0	29	0	53	0	134	4	0	14
All Fish	Mean	0	321	0	474	0	577	487	0	579
	Std. Error	0	6	0	3	0	1	7	0	5
	Range	0 - 0	286 - 441	0 - 0	402 - 611	0 - 0	441 - 658	468 - 526	0 - 0	510 - 633
	Sample Size	0	29	0	105	0	425	8	0	36
Combined Martin Lake Samples										
Females	Mean	0	0	0	493	0	557	0	0	545
	Std. Error	0	0	0	3	0	1	0	0	5
	Range	0 - 0	0 - 0	0 - 0	412 - 608	0 - 0	462 - 617	0 - 0	0 - 0	532 - 566
	Sample Size	0	0	0	115	0	318	0	0	6
Males	Mean	0	340	0	436	336	576	0	0	0
	Std. Error	0	8	0	2	0	8	0	0	0
	Range	0 - 0	299 - 407	0 - 0	306 - 610	336 - 336	411 - 650	0 - 0	0 - 0	0 - 0
	Sample Size	0	20	0	267	1	45	0	0	0
All Fish	Mean	0	340	0	453	336	560	0	0	545
	Std. Error	0	8	0	2	0	2	0	0	5
	Range	0 - 0	299 - 407	0 - 0	306 - 610	336 - 336	411 - 650	0 - 0	0 - 0	532 - 566
	Sample Size	0	20	0	382	1	363	0	0	6

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Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements in the Copper River/Delta drainage, 1984 (continued).

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	
Little Martin Lake Samples											
Females	Mean	0	0	0	479	0	550	467	0	551	
	Std. Error	0	0	0	2	0	2	23	0	6	
	Range	0 - 0	0 - 0	0 - 0	387 - 570	0 - 0	500 - 591	431 - 511	0 - 0	540 - 558	
	Sample Size	0	0	0	185	0	127	3	0	3	
Males	Mean	0	366	0	434	0	576	432	0	0	
	Std. Error	0	8	0	1	0	3	9	0	0	
	Range	0 - 0	306 - 421	0 - 0	382 - 540	0 - 0	474 - 630	415 - 445	0 - 0	0 - 0	
	Sample Size	0	25	0	436	0	105	3	0	0	
All Fish	Mean	0	366	0	448	0	562	450	0	551	
	Std. Error	0	8	0	1	0	2	14	0	6	
	Range	0 - 0	306 - 421	0 - 0	382 - 570	0 - 0	474 - 630	415 - 511	0 - 0	540 - 558	
	Sample Size	0	25	0	621	0	232	6	0	3	
Tokun Lake Weir Samples											
Females	Mean	0	0	0	464	0	573	468	0	596	
	Std. Error	0	0	0	8	0	1	0	0	5	
	Range	0 - 0	0 - 0	0 - 0	403 - 515	0 - 0	485 - 664	468 - 468	0 - 0	591 - 600	
	Sample Size	0	0	0	19	0	526	1	0	2	
Males	Mean	0	0	0	459	0	607	0	601	535	
	Std. Error	0	0	0	5	0	1	0	0	0	
	Range	0 - 0	0 - 0	0 - 0	395 - 567	0 - 0	424 - 688	0 - 0	601 - 601	535 - 535	
	Sample Size	0	0	0	48	0	367	0	1	1	
All Fish	Mean	0	0	0	460	0	587	468	601	575	
	Std. Error	0	0	0	4	0	1	0	0	20	
	Range	0 - 0	0 - 0	0 - 0	395 - 567	0 - 0	424 - 688	468 - 468	601 - 601	535 - 600	
	Sample Size	0	0	0	67	0	893	1	1	3	

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Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Copper River/Delta drainage, 1984 (continued).

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Martin River Slough Samples										
Females	Mean	498	0	559	536	0	561	0	571	569
	Std. Error	28	0	2	17	0	1	0	0	5
	Range	422 - 579	0 - 0	482 - 611	439 - 607	0 - 0	495 - 620	0 - 0	571 - 571	554 - 581
	Sample Size	6	0	125	11	0	299	0	1	5
Males	Mean	421	348	561	438	0	580	0	0	589
	Std. Error	2	9	8	6	0	3	0	0	0
	Range	359 - 493	330 - 359	398 - 634	376 - 604	0 - 0	438 - 632	0 - 0	0 - 0	589 - 589
	Sample Size	139	3	51	64	0	111	0	0	1
All Fish	Mean	424	348	559	452	0	566	0	571	572
	Std. Error	3	9	3	7	0	1	0	0	5
	Range	359 - 579	330 - 359	398 - 634	376 - 607	0 - 0	438 - 632	0 - 0	571 - 571	554 - 589
	Sample Size	145	3	176	75	0	410	0	1	6
Thirty-Nine Mile Creek Samples										
Females	Mean	0	0	570	492	0	573	0	0	573
	Std. Error	0	0	4	4	0	1	0	0	6
	Range	0 - 0	0 - 0	522 - 616	420 - 559	0 - 0	491 - 645	0 - 0	0 - 0	539 - 599
	Sample Size	0	0	41	47	0	283	0	0	10
Males	Mean	428	300	586	460	0	598	476	0	578
	Std. Error	10	0	9	3	0	3	64	0	4
	Range	405 - 500	300 - 300	464 - 637	343 - 558	0 - 0	494 - 665	412 - 539	0 - 0	574 - 581
	Sample Size	9	1	24	157	0	125	2	0	2
All Fish	Mean	428	300	576	467	0	581	476	0	574
	Std. Error	10	0	4	2	0	1	64	0	5
	Range	405 - 500	300 - 300	464 - 637	343 - 559	0 - 0	491 - 665	412 - 539	0 - 0	539 - 599
	Sample Size	9	1	65	204	0	408	2	0	12

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Appendix Table G9. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Copper River/Delta drainage, 1984 (continued).

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Delta Summary 2/										
Females	Mean	498	352	562	487	0	564	484	561	564
	Std. Error	28	9	2	1	0	0	10	11	3
	Range	422 - 579	343 - 361	482 - 616	387 - 611	0 - 0	441 - 664	431 - 531	550 - 571	510 - 607
	Sample Size	6	2	166	490	0	2582	11	2	59
Males	Mean	421	347	568	445	336	591	465	601	592
	Std. Error	2	4	6	1	0	1	9	0	5
	Range	359 - 500	286 - 441	398 - 637	184 - 625	336 - 336	411 - 688	412 - 539	601 - 601	535 - 633
	Sample Size	148	90	76	1791	1	1239	19	1	27
All Fish	Mean	424	347	564	454	336	573	472	574	573
	Std. Error	3	4	2	1	0	1	7	15	3
	Range	359 - 579	286 - 441	398 - 637	184 - 625	336 - 336	411 - 688	412 - 539	550 - 601	510 - 633
	Sample Size	154	92	242	2281	1	3821	30	3	86

[1] Mid-eye to fork of tail.

[2] Pooled samples from all Delta escapements.

Appendix Table G10. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Bering River drainage, 1984.

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Bering River - Bering Lake Samples										
Females	Mean	512	0	561	480	0	562	0	0	566
	Std. Error	1	0	2	9	0	1	0	0	0
	Range	511 - 513	0 - 0	524 - 611	455 - 501	0 - 0	491 - 621	0 - 0	0 - 0	566 - 566
	Sample Size	2	0	82	5	0	286	0	0	1
Males	Mean	494	332	584	434	0	594	457	0	0
	Std. Error	18	0	3	5	0	2	0	0	0
	Range	402 - 621	332 - 332	516 - 641	313 - 506	0 - 0	491 - 658	457 - 457	0 - 0	0 - 0
	Sample Size	10	1	87	42	0	221	1	0	0
All Fish	Mean	497	332	572	439	0	576	457	0	566
	Std. Error	15	0	2	5	0	1	0	0	0
	Range	402 - 621	332 - 332	516 - 641	313 - 506	0 - 0	491 - 658	457 - 457	0 - 0	566 - 566
	Sample Size	12	1	169	47	0	507	1	0	1
Bering River - Shepherd Creek Samples										
Females	Mean	0	0	557	496	0	557	0	0	545
	Std. Error	0	0	3	12	0	1	0	0	11
	Range	0 - 0	0 - 0	521 - 600	484 - 507	0 - 0	507 - 630	0 - 0	0 - 0	526 - 578
	Sample Size	0	0	46	2	0	335	0	0	4
Males	Mean	0	0	584	445	0	591	454	0	579
	Std. Error	0	0	5	9	0	2	0	0	4
	Range	0 - 0	0 - 0	500 - 640	408 - 500	0 - 0	420 - 649	454 - 454	0 - 0	575 - 582
	Sample Size	0	0	40	11	0	223	1	0	2
All Fish	Mean	0	0	570	453	0	571	454	0	556
	Std. Error	0	0	3	9	0	1	0	0	10
	Range	0 - 0	0 - 0	500 - 640	408 - 507	0 - 0	420 - 649	454 - 454	0 - 0	526 - 582
	Sample Size	0	0	86	13	0	558	1	0	6

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Appendix Table G10. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Bering River drainage, 1984 (continued).

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Bering River - Kushtaka Lake Samples										
Females	Mean	0	0	0	445	0	517	465	0	515
	Std. Error	0	0	0	3	0	1	4	0	2
	Range	0 - 0	0 - 0	0 - 0	405 - 525	0 - 0	460 - 600	401 - 521	0 - 0	490 - 561
	Sample Size	0	0	0	55	0	271	34	0	38
Males	Mean	0	319	0	444	347	532	487	0	529
	Std. Error	0	2	0	4	5	3	6	0	4
	Range	0 - 0	282 - 375	0 - 0	293 - 521	337 - 354	476 - 627	427 - 519	0 - 0	502 - 581
	Sample Size	0	64	0	65	3	110	18	0	25
All Fish	Mean	0	319	0	445	347	522	473	0	521
	Std. Error	0	2	0	3	5	1	4	0	2
	Range	0 - 0	282 - 375	0 - 0	293 - 525	337 - 354	460 - 627	401 - 521	0 - 0	490 - 581
	Sample Size	0	64	0	120	3	381	52	0	63
Bering River Summary 2/										
Females	Mean	512	0	559	450	0	547	465	0	519
	Std. Error	1	0	2	3	0	1	4	0	3
	Range	511 - 513	0 - 0	521 - 611	405 - 525	0 - 0	460 - 630	401 - 521	0 - 0	490 - 578
	Sample Size	2	0	128	62	0	892	34	0	43
Males	Mean	494	319	584	440	347	580	484	0	533
	Std. Error	18	2	3	3	5	2	6	0	4
	Range	402 - 621	282 - 375	500 - 641	293 - 521	337 - 354	420 - 658	427 - 519	0 - 0	502 - 582
	Sample Size	10	65	127	118	3	554	20	0	27
All Fish	Mean	497	319	572	444	347	559	472	0	524
	Std. Error	15	2	2	2	5	1	4	0	3
	Range	402 - 621	282 - 375	500 - 641	293 - 525	337 - 354	420 - 658	401 - 521	0 - 0	490 - 582
	Sample Size	12	65	255	180	3	1446	54	0	70

[1] Mid-eye to fork of tail.

[2] Pooled samples from all the Bering River drainage escapements.

Appendix Table G11. Estimated mean length[1] by sex and age of sockeye salmon sampled in the escapements to the Delta River/Bering River drainages, 1984.

		Brood Year and Age Group								
		1981		1980			1979		1978	
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3
Delta - Bering River Summary [2]										
Females	Mean	501	352	561	483	0	560	470	561	545
	Std. Error	20	9	1	1	0	0	4	11	3
	Range	422 - 579	343 - 361	482 - 616	387 - 611	0 - 0	441 - 664	401 - 531	550 - 571	490 - 607
	Sample Size	8	2	294	552	0	3474	45	2	102
Males	Mean	426	335	578	445	344	588	475	601	563
	Std. Error	3	3	3	1	5	1	5	0	5
	Range	359 - 621	282 - 441	398 - 641	184 - 625	336 - 354	411 - 688	412 - 539	601 - 601	502 - 633
	Sample Size	158	155	203	1909	4	1793	39	1	54
All Fish	Mean	429	335	568	453	344	569	472	574	551
	Std. Error	3	3	1	1	5	0	3	15	3
	Range	359 - 621	282 - 441	398 - 641	184 - 625	336 - 354	411 - 688	401 - 539	550 - 601	490 - 633
	Sample Size	166	157	497	2461	4	5267	84	3	156

[1] Mid-eye to fork of tail.

[2] Pooled samples from Delta and Bering River escapements.

Appendix Table G12. Estimated mean length[1] by sex and age of sockeye salmon in the commercial catches from the Coghill, Unakwik, and Eshamy gillnet fisheries in Prince William Sound, 1984.

		Brood Year and Age Group						
		1981	1980		1979		1978	
		0.2	0.3	1.2	1.3	2.2	2.3	3.2
Coghill Samples								
Females	Mean	551	575	522	575	524	566	0
	Std. Error	18	7	6	1	7	5	0
	Range	518 - 582	561 - 598	426 - 600	481 - 633	492 - 561	525 - 625	0 - 0
	Sample Size	3	5	52	390	10	26	0
Males	Mean	0	0	534	597	552	601	0
	Std. Error	0	0	5	1	7	4	0
	Range	0 - 0	0 - 0	429 - 627	503 - 655	469 - 615	553 - 641	0 - 0
	Sample Size	0	0	75	308	26	26	0
All Fish	Mean	551	575	529	584	545	584	0
	Std. Error	18	7	4	1	6	4	0
	Range	518 - 582	561 - 598	426 - 627	481 - 655	469 - 615	525 - 641	0 - 0
	Sample Size	3	5	127	698	36	52	0
Unakwik Samples								
Females	Mean	0	0	485	578	500	580	0
	Std. Error	0	0	39	2	0	7	0
	Range	0 - 0	0 - 0	446 - 524	535 - 630	500 - 500	560 - 590	0 - 0
	Sample Size	0	0	2	79	1	4	0
Males	Mean	0	0	533	597	0	590	500
	Std. Error	0	0	13	3	0	0	0
	Range	0 - 0	0 - 0	520 - 545	540 - 648	0 - 0	590 - 590	500 - 500
	Sample Size	0	0	2	56	0	1	1
All Fish	Mean	0	0	509	586	500	582	500
	Std. Error	0	0	22	2	0	6	0
	Range	0 - 0	0 - 0	446 - 545	535 - 648	500 - 500	560 - 590	500 - 500
	Sample Size	0	0	4	135	1	5	1

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Appendix Table G12. Estimated mean length[1] by sex and age of sockeye salmon in the commercial catches from the Coghill, Unakwik, and Eshamy gillnet fisheries in Prince William Sound, 1984 (continued).

		Brood Year and Age Group						
		1981	1980		1979		1978	
		0.2	0.3	1.2	1.3	2.2	2.3	3.2
Eshamy Samples								
Females	Mean	0	0	572	569	590	0	0
	Std. Error	0	0	3	0	0	0	0
	Range	0 - 0	0 - 0	542 - 635	569 - 569	590 - 590	0 - 0	0 - 0
	Sample Size	0	0	51	1	1	0	0
Males	Mean	0	0	588	581	552	568	0
	Std. Error	0	0	4	26	28	0	0
	Range	0 - 0	0 - 0	510 - 646	533 - 624	502 - 597	568 - 568	0 - 0
	Sample Size	0	0	42	3	3	1	0
All Fish	Mean	0	0	579	578	561	568	0
	Std. Error	0	0	2	19	22	0	0
	Range	0 - 0	0 - 0	510 - 646	533 - 624	502 - 597	568 - 568	0 - 0
	Sample Size	0	0	93	4	4	1	0

[1] Mid-eye to fork of tail.

Appendix Table G13. Estimated mean length by sex and age of chum salmon in the commercial catch in the Northern District purse seine fishery in Prince William Sound, 1984[1].

		Brood Year and Age Group		
		1981	1980	1979
		0.2	0.3	0.4
Females	Mean	583	610	662
	Std. Error	26	10	7
	Range	557 - 609	539 - 674	607 - 693
	Sample Size	2	17	15
Males	Mean	606	642	687
	Std. Error	61	7	9
	Range	545 - 667	558 - 698	617 - 777
	Sample Size	2	33	18
All Fish	Mean	595	631	675
	Std. Error	28	6	6
	Range	545 - 667	539 - 698	607 - 777
	Sample Size	4	50	33

[1] Mid-eye to fork of tail.

Appendix Table G14. Estimated mean length[1] by sex and age of chum salmon in the commercial catches from the gillnet fisheries in the Coghill and Eshamy Districts of Prince William Sound, 1984.

		Brood Year and Age Group			
		1981	1980	1979	1978
		0.2	0.3	0.4	0.5
Coghill Samples					
Females	Mean	575	616	647	730
	Std. Error	4	2	5	0
	Range	524 - 633	525 - 746	578 - 703	730 - 730
	Sample Size	34	244	44	1
Males	Mean	573	633	676	681
	Std. Error	9	3	5	19
	Range	501 - 613	514 - 738	603 - 726	662 - 700
	Sample Size	15	154	30	2
All Fish	Mean	575	622	659	697
	Std. Error	4	2	4	20
	Range	501 - 633	514 - 746	578 - 726	662 - 730
	Sample Size	49	398	74	3
Eshamy Samples					
Females	Mean	561	604	624	0
	Std. Error	9	5	11	0
	Range	515 - 607	551 - 690	546 - 676	0 - 0
	Sample Size	9	40	11	0
Males	Mean	579	622	656	698
	Std. Error	7	7	14	0
	Range	529 - 614	540 - 699	598 - 754	698 - 698
	Sample Size	12	31	10	1
All Fish	Mean	571	612	639	698
	Std. Error	6	4	9	0
	Range	515 - 614	540 - 699	546 - 754	698 - 698
	Sample Size	21	71	21	1

[1] Mid-eye to fork of tail.

Appendix Table G15. Estimated mean length[1] by sex and age of sockeye sampled in the escapements through Coghill and Eshamy weirs, 1984.

		Brood Year and Age Group									
		1981		1980			1979		1978		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2
Eshamy Weir Samples											
Females	Mean	0	0	0	552	0	567	558	0	642	0
	Std. Error	0	0	0	1	0	5	3	0	0	0
	Range	0 - 0	0 - 0	0 - 0	440 - 633	0 - 0	545 - 583	502 - 603	0 - 0	642 - 642	0 - 0
	Sample Size	0	0	0	903	0	6	44	0	1	0
Males	Mean	0	0	0	574	443	572	581	0	534	607
	Std. Error	0	0	0	1	10	0	4	0	0	0
	Range	0 - 0	0 - 0	0 - 0	445 - 693	423 - 479	572 - 572	468 - 647	0 - 0	534 - 534	607 - 607
	Sample Size	0	0	0	1045	5	1	48	0	1	1
All Fish	Mean	0	0	0	564	443	568	570	0	588	607
	Std. Error	0	0	0	1	10	4	3	0	54	0
	Range	0 - 0	0 - 0	0 - 0	440 - 693	423 - 479	545 - 583	468 - 647	0 - 0	534 - 642	607 - 607
	Sample Size	0	0	0	1948	5	7	92	0	2	1
Coghill Weir Samples											
Females	Mean	0	0	0	486	0	551	489	578	559	0
	Std. Error	0	0	0	3	0	1	6	18	10	0
	Range	0 - 0	0 - 0	0 - 0	410 - 580	0 - 0	435 - 680	415 - 544	560 - 595	484 - 600	0 - 0
	Sample Size	0	0	0	115	0	343	22	2	11	0
Males	Mean	438	325	573	445	0	575	473	0	581	0
	Std. Error	13	3	13	2	0	2	9	0	8	0
	Range	410 - 470	310 - 335	560 - 585	360 - 580	0 - 0	305 - 653	350 - 575	0 - 0	530 - 665	0 - 0
	Sample Size	4	7	2	299	0	213	29	0	20	0
All Fish	Mean	438	325	573	456	0	560	480	578	573	0
	Std. Error	13	3	13	2	0	1	6	18	6	0
	Range	410 - 470	310 - 335	560 - 585	360 - 580	0 - 0	305 - 680	350 - 575	560 - 595	484 - 665	0 - 0
	Sample Size	4	7	2	414	0	556	51	2	31	0

[1] Mid-eye to fork of tail.

APPENDIX H

Average weights of salmon in the catches in the Copper/Bering and PWS areas.

Appendix Table H1. Average weight in pounds of salmon in the commercial catches from the Copper/Bering and Prince William Sound areas, 1975-1984[1].

Year	King	Sockeye	Coho	Pink	Chum
		COPPER RIVER - BERING RIVER			
1975	27.8	6.6	9.3	5.3	6.0
1976	28.4	6.8	10.2	4.3	7.4
1977	28.4	7.3	10.6	4.6	7.3
1978	27.3	6.2	9.3	4.2	7.0
1979	27.4	6.9	9.2	4.4	7.9
1980	29.1	6.7	9.8	4.8	7.1
1981	25.9	6.4	10.3	4.6	7.5
1982	26.8	6.5	9.9	4.2	8.8
1983	26.8	6.1	9.8	4.0	7.5
1984	29.9	6.5	11.2	5.0	8.3
10 Year Average	27.8	6.6	10.0	4.5	7.5
		PRINCE WILLIAM SOUND			
1975	11.2	7.6	7.9	3.6	7.2
1976	11.5	7.4	8.4	4.2	9.1
1977	15.1	7.9	8.1	4.4	9.0
1978	12.3	8.1	8.5	3.6	8.5
1979	11.0	7.1	7.9	3.7	9.1
1980	14.6	6.9	8.3	3.3	8.3
1981	17.5	6.3	8.1	4.2	8.6
1982	15.8	7.1	8.2	3.7	9.1
1983	15.3	6.5	7.0	3.0	9.2
1984	19.1	6.2	9.0	3.6	9.5
10 Year Average	14.3	7.1	8.1	3.7	8.8

[1] Data from Alaska Department of Fish and Game commercial Fisheries Statistical Leaflets in 1975 while all other years are from fish tickets and should be considered as preliminary data. Data from Prince William Sound includes all districts and gear types.

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